

LPCB Red Book



Part: 4

Security protection products

bre

Introduction

BRE Global Ltd, based in the UK near London, is an independent third party organisation offering certification of fire, security and sustainability products and services to an international market. LPCB is the certification brand used for fire and security products and services. The LPCB mark is accepted worldwide. We have representative offices in China, India and Dubai. We are owned by the BRE Trust, a not-for-profit organisation. LPCB listings can be accessed, free of charge, at www.redbooklive.com. BRE Global additionally carries out: - Fire Investigation - Fire Risk Assessment - Fire Safety Engineering - Research - Training

Part 4

Security protection products

INTRODUCTION

The effects of crime on a commercial business can be devastating. Some businesses never recover from the consequential losses; the interruption to business continuity, the theft of capital, stock or intellectual property and even the loss of the entire business premises due to arson. Figures released by the Home Office in 2013 based on the 2012 Commercial Victimisation Survey¹ show there were 340 burglaries or attempted burglaries per 1000 commercial premises in urban areas of the UK (206 in rural areas). Forced entry through doors to facilitate the theft of goods and stock being the most commonly reported incidents.

Installing security measures that provide early detection of an intrusion attempt and effective physical security that provides a suitable delay to intrusion greatly increases the likelihood that intruders can be apprehended at the scene. This not only reduces the likelihood of such crimes being successful, it acts as an effective deterrent, greatly reducing the chance of being targeted by intruders in the first instance.

Using security products approved by LPCB to protect people, property and assets is an effective way of mitigating many of the risks associated with crime and increasingly, the threat of terrorism. LPCB works closely with police, government, insurers, end users, security equipment specifiers and manufacturers to develop methods by which the quality of product performance and product reliability can be assessed effectively.

The products listed in this section have been rigorously tested and assessed by LPCB experts to a range of standards. Their on-going conformity is assured through rigorous surveillance programmes involving periodic auditing of production and regular inspection of the products themselves during production.

Details of the standards to which the products are approved are given at the front of each subsection relevant to the product type.

The range of products listed is extensive and includes physical barrier type products, asset marking, computer protection equipment as well as electronic detection and surveillance equipment.

The scope of each products approval is described in the relevant section and on the certificates issued to the approved manufacturer. It is important to ensure only products covered by the scope detailed on the LPCB certificate are selected. This is because products outside that scope may not provide an equivalent level of security.

¹ Home Office publication - *Crime against businesses: Detailed findings from the 2012 Commercial Victimisation Survey*. June 2013

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ACCESS COVERS AND HATCHES

Many important facilities, especially those of utility companies, are unmanned and remote from the main business. At the request of the utility companies, access covers protecting items such as valves, switchgear and meters are now security rated to provide protection against malicious attack.

LPCB certifies access covers to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*. The approval procedures and conditions that apply to access covers are the same as those that apply to security doors and shutters.

It is important that specifiers only select access covers that are covered by the scope detailed on the certificate since products that fall outside that scope may not provide an equivalent level of security.

It is also important to ensure that the products are installed in accordance with the manufacturers instructions and that all exposed fixings, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems

ACCESS COVERS AND HATCHES

Folding doorsets

Security cabinets

Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

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Certificate No: 1187a to LPS 1175: Issue 7

Horizontal and Vertical Access Covers

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Defenso AG SR4	Single leaf horizontal upstand access cover	200	1500	200	2400	4	1187a/01
Defenso AG SR4	Twin leaf end-hinged horizontal upstand access cover	400	3000	400	2400	4	1187a/01
Defenso AG SR4	Multi-leaf in-line hinged horizontal upstand access cover	400	1500	700	Unlimited	4	1187a/01
Defenso FF SR3	Single leaf horizontal flush-fit access cover	200	1500	200	2500	3	1187a/02
Defenso FF SR3	Twin leaf end-hinged horizontal flush-fit access cover	700	3000	400	2000	3	1187a/02
Defenso FF SR3	Multi-leaf in-line hinged horizontal flush-fit access cover	300	1000	1000	Unlimited	3	1187a/02
Defenso FF SR4	Single leaf horizontal flush-fit access cover	200	1500	200	2500	4	1187a/03
Defenso FF SR4	Twin leaf end-hinged horizontal flush-fit access cover	700	3000	400	2000	4	1187a/03
Defenso FF SR4	Multi-leaf in-line hinged horizontal flush-fit access cover	300	1000	1000	Unlimited	4	1187a/03
Defenso AG SR3	Single leaf horizontal upstand access cover	200	1500	200	2400	3	1187a/04
Defenso AG SR3	Twin leaf end-hinged horizontal upstand access cover	400	3000	400	2400	3	1187a/04
Defenso AG SR3	Multi-leaf in-line hinged horizontal upstand access cover	400	1500	700	Unlimited	3	1187a/04
Defenso AT SR4	Multi-leaf horizontal lift-off access cover	400	2500	700	Unlimited	4	1187a/05
Defenso AT SR3	Multi leaf horizontal lift-off access cover	400	2500	700	Unlimited	3	1187a/06
Garrison Flush TopLOK LPC3	Single leaf horizontal flush-fit access cover	300	1200	300	1500	3	1187a/07
Garrison Flush TopLOK LPC3	Twin leaf in-line hinged horizontal flush-fit access cover	300	1200	600	3000	3	1187a/07
Garrison Flush TopLOK LPC3	Multi leaf in-line hinged horizontal flush-fit access cover	300	1200	600	Unlimited	3	1187a/07
Garrison Hybrid TopLOK LPC3	Single leaf horizontal upstand access cover	300	1200	300	1500	3	1187a/08
Garrison Hybrid TopLOK LPC3	Twin leaf in-line hinged horizontal upstand access cover	300	1200	600	3000	3	1187a/08
Garrison Hybrid TopLOK LPC3	Multi leaf in-line hinged horizontal upstand access cover	300	1200	600	Unlimited	3	1187a/08

ACCESS COVERS AND HATCHES

Garrison Flush TopLOK LPC4	Single leaf horizontal flush-fit access cover	300	1200	300	1500	4	1187a/09
Garrison Flush TopLOK LPC4	Twin leaf in-line hinged horizontal flush-fit access cover	300	1200	600	3000	4	1187a/09
Garrison Flush TopLOK LPC4	Multi leaf in-line hinged horizontal flush-fit access cover	300	1200	600	Unlimited	4	1187a/09
Garrison Hybrid TopLOK LPC4	Single leaf horizontal upstand access cover	300	1200	300	1500	4	1187a/10
Garrison Hybrid TopLOK LPC4	Twin leaf in-line hinged horizontal upstand access cover	300	1200	600	3000	4	1187a/10
Garrison Hybrid TopLOK LPC4	Multi leaf in-line hinged horizontal upstand access cover	300	1200	600	Unlimited	4	1187a/10
Garrison Upstand SlideLOK LPC4	Single leaf horizontal upstand access cover	450	1200	450	1450	4	1187a/11
Garrison Upstand SlideLOK LPC4	Twin leaf in-line hinged horizontal upstand access cover	450	1200	900	2900	4	1187a/11
Garrison Upstand TopLOK LPC4	Single leaf horizontal upstand access cover	300	1200	300	1800	4	1187a/12
Garrison Upstand TopLOK LPC4	Twin leaf in-line hinged horizontal upstand access cover	300	1200	600	3600	4	1187a/12
Garrison Upstand TopLOK LPC4	Twin leaf end hinged horizontal upstand access cover	600	2400	300	1800	4	1187a/12
Garrison Upstand TopLOK LPC4	Quad leaf horizontal upstand access cover	1200	2400	1200	3600	4	1187a/12
Garrison Upstand TopLOK LPC4	Multi leaf in-line hinged horizontal upstand access cover	300	1200	600	Unlimited	4	1187a/12
Garrison Upstand TopLOK LPC4	Multi leaf end hinged horizontal upstand access cover	600	2400	300	Unlimited	4	1187a/12
Defenso AW SR3	Single leaf vertical access cover	300	700	300	700	3	1187a/13
Defenso AW SR4	Single leaf vertical access cover	300	700	300	700	4	1187a/14
Defenso AT SR4 Beam	Multi leaf horizontal lift-off access cover	1000	7400	1000	Unlimited	4	1187a/15
Defenso FE SR4	Single leaf horizontal hinged flush-fit access cover	400	1350	400	2000	4	1187a/16
Defenso RE R90 SR4	Single leaf horizontal hinged flush-fit access cover (Recessed lid)	400	1350	400	2000	4	1187a/17
Defenso RE R90 SR4	Multi-leaf in-line hinged horizontal flush-fit access cover (Recessed lid)	400	1350	800	Unlimited	4	1187a/17
Defenso RETRE R90 SR4	Multi-leaf in-line hinged horizontal flush-fit 'hybrid' access cover (Recessed lid)	400	1350	800	Unlimited	4	1187a/18
Defenso TRE R90 SR4	Single leaf horizontal flush-fit drop-on access cover (Recessed lid)	400	1350	400	2000	4	1187a/19
Defenso TRE R90 SR4	Multi-leaf in-line horizontal flush-fit drop-on access cover (Recessed lid)	400	1350	800	Unlimited	4	1187a/19
Defenso FE SR4	Multi-leaf-in-line hinged horizontal flush-fit access covers	400	1350	800	Unlimited	4	1187a/16
Defenso FETSE SR4	Multi-leaf-in-line 'hybrid' horizontal flush-fit access covers	400	1350	800	Unlimited	4	1187a/21
Defenso TSE SR4	Single leaf horizontal flush-fit drop-on access cover	400	1350	400	2000	4	1187a/20
Defenso TSE SR4	Multi-leaf-in-line horizontal flush-fit drop-on access cover	400	1350	800	Unlimited	4	1187a/20
Defenso FE SR4	Twin leaf horizontal end-hinged flush-fit access cover	700	2500	400	2000	4	1187a/16
Defenso RE	Twin leaf end-hinged horizontal flush-fit access	700	2500	400	2000	4	1187a/17

ACCESS COVERS AND HATCHES

R90 SR4	(Recessed lid)							
Defenso FE SR4	Multi-leaf in-line hinged horizontal flush-fit access cover with beams perpendicular to hinges	800	1350	900	Unlimited	4	1187a/16	
Defenso FE SR4	Multi-leaf end-hinged horizontal flush-fit access cover with beam parallel to hinges	1000	2600	800	11960	4	1187a/16	
Defenso FETSE SR4	Multi leaf 'hybrid' horizontal flush-fit access cover with beam	1000	Unlimited	800	11960	4	1187a/21	
Defenso RE R90 SR4	Multi-leaf in-line hinged horizontal flush-fit access cover with beams perpendicular to hinges (Recessed lid)	800	1350	700	Unlimited	4	1187a/17	
Defenso RE R90 SR4	Multi-leaf end-hinged horizontal flush-fit access cover with beam parallel to hinges (Recessed lid)	1000	2600	1000	11920	4	1187a/17	
Defenso RETRE R90 SR4	Multi-leaf hinged horizontal flush-fit 'hybrid' access cover with beam (Recessed lid)	1000	Unlimited	800	11920	4	1187a/18	
Defenso TRE R90 SR4	Multi-leaf hinged horizontal flush-fit drop-on access cover with beam (Recessed lid)	1000	Unlimited	800	11920	4	1187a/19	
Defenso TSE SR4	Multi-leaf hinged horizontal flush-fit access cover with beam	1000	Unlimited	800	11960	4	1187a/20	

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Certificate No: 1589a to LPS 1175: Issue 8

Access Cover

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
EASI-LOK	Single leaf horizontal upstand access cover	400	1400	400	1400	D10 (SR4)	1589a/01

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Certificate No: 953t to LPS 1175: Issue 8

Horizontal Access Covers

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Trojan 3	Single leaf horizontal upstand access cover	400	2000	400	1200	C5 (SR3)	953t/01
Trojan 3	Multi leaf horizontal in-line hinged upstand access cover	400	2000	800	Unlimited	C5 (SR3)	953t/01

Certificate No: 953u to LPS 1175: Issue 8

Horizontal Access Covers

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Trojan 4	Single leaf horizontal upstand access cover	400	2000	400	1200	D10 (SR4)	953u/01
Trojan 4	Multi leaf horizontal in-line hinged upstand access cover	400	2000	800	Unlimited	D10 (SR4)	953u/01

ACCESS COVERS AND HATCHES

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Certificate No: 1303a to LPS 1175: Issue 7

Horizontal Access Covers

Product Name	Type	Width1 of Internal Opening (mm)	Length2 of Internal Opening (mm)	Security Rating	LPCB Ref. No.
OPT-Emax T-LOK Type A	Quad leaf flush-fitting ductile iron horizontal access cover	900	1340	3	1303a/01
OPT-Emax T-LOK Type B	Twin leaf flush-fitting ductile iron horizontal access cover	750	700	3	1303a/02

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Certificate No: 645b to LPS 1175: Issue 7

Horizontal Access Covers

Product Name	Type	Minimum Width1 of Internal Opening (mm)	Maximum Width1 of Internal Opening (mm)	Minimum Length1 of Internal Opening (mm)	Maximum Length1 of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Briplate SUB	Single leaf undercover access cover	475	1800	475	1800	3	645b/01
Multi-Guard 3	Single leaf flush-fitting access cover	450	2000	450	1200	3	645b/02
Multi-Guard 3	Twin end-hinged flush-fitting access cover	1050	2700	450	2000	3	645b/02
Multi-Guard 3	Triple end-hinged flush-fitting access cover	1250	4300	450	2000	3	645b/02
Multi-Guard 3	Multiple leaf flush-fitting access cover	1050	4300	900	Unlimited	3	645b/02
Multi-Guard V3	Single leaf flush-fitting access cover	450	2000	450	1200	3	645b/03
Multi-Guard V3	Twin end-hinged flush-fitting access cover	1050	2700	450	2000	3	645b/03
Multi-Guard V3	Triple end-hinged flush-fitting access cover	1250	4300	450	2000	3	645b/03
Multi-Guard V3	Multiple leaf flush-fitting access cover	1050	4300	900	Unlimited	3	645b/03
Sentry	Single leaf upstand access cover	300	1100	300	1200	3	645b/04
Sentry	Twin leaf in-line hinged upstand access cover	1200	2200	600	1000	3	645b/04
Sentry	Twin leaf end-line hinged upstand access cover	600	1500	1200	2200	3	645b/04
Sentry Lift-Off	Single leaf lift-off upstand access cover	450	3400	450	7400	3	645b/05
Sentry Lift-Off	Multiple leaf lift-off upstand access cover	900	Unlimited	450	7400	3	645b/05
Sentry Lift-Off	Single leaf lift-off upstand access cover	450	3400	450	7400	4	645b/06
Sentry Lift-Off	Multiple leaf lift-off upstand access cover	900	Unlimited	450	7400	4	645b/06
Sentry Mk2	Single leaf upstand access cover	475	1200	475	1200	4	645b/07
Sentry SEC 47	Single leaf upstand access cover	300	1800	300	1200	4	645b/08
Sentry SEC 47	Twin end-hinged upstand access cover	300	1800	750	2500	4	645b/08
Sentry SEC 47	Four in-line hinged upstand access cover	1800	6600	300	1200	4	645b/08
Sentry SEC 47	Four end-hinged upstand access cover	900	3200	750	2500	4	645b/08

ACCESS COVERS AND HATCHES

Sentry SEC 47	Six end-hinged upstand access cover	1350	4800	750	2500	4	645b/08
Defender SEC 4	Single leaf flush-fitting access cover	300	2000	300	1200	4	645b/09
Defender SEC 4	Twin leaf in-line hinged flush-fitting access cover	600	3110	300	1200	4	645b/09
Defender SEC 4	Twin leaf end hinged flush- fitting access cover	300	2000	750	2350	4	645b/09
Defender SEC 4	Triple leaf in-line hinged flush-fitting access cover	900	4665	300	1200	4	645b/09
Defender SEC 4	Four leaf in-line hinged flush-fitting access cover	1200	6220	300	1200	4	645b/09
Defender SEC 4	Four leaf end hinged flush- fitting access cover	600	3110	750	2350	4	645b/09
Defender SEC 4	Five leaf in-line hinged flush- fitting access cover	1500	7775	300	1200	4	645b/09
Defender SEC 4	Six leaf in-line hinged flush- fitting access cover	1800	9330	300	1200	4	645b/09
Defender SEC 4	Six leaf end hinged flush- fitting access cover	900	4665	750	2350	4	645b/09
Defender SEC 4	Seven leaf in-line hinged flush-fitting access cover	2100	10885	300	1200	4	645b/09
Defender SEC 4	Eight leaf end hinged flush- fitting access cover	1200	6220	750	2350	4	645b/09
Defender SEC 4	Ten leaf end hinged flush- fitting access cover	1500	7775	750	2350	4	645b/09
Defender SEC 4	Twelve leaf end hinged flush-fitting access cover	1800	9330	750	2350	4	645b/09

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Certificate No: 450a-Part 1 to LPS 1175: Issue 5

Access Covers

Product Name	Type	Minimum Internal Opening Length (mm)	Maximum Internal Opening Length (mm)	Minimum Internal Opening Width (mm)	Maximum Internal Opening Width (mm)	Security Rating	LPCB Ref. No.
SHH1/DV	Single leaf flush access cover	400	1200	400	1200	3	450a/09
SHH2/DV	Twin leaf flush access cover	1200	2400	400	1200	3	450a/10
SHH3/DV	Triple leaf flush access cover	1500	3000	400	1200	3	450a/11
SHHM/DV	Multiple leaf flush access cover	2000	12000	2000	2400	3	450a/12

Certificate No: 450aa to LPS 1175: Issue 8

Horizontal Access Cover

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
UltraSecure Access Cover	Single leaf 'single lock' upstand access cover	380	1250	325	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Single leaf 'twin front lock' upstand access cover	1200	1950	325	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Single leaf 'twin side lock' upstand access cover	1100	1950	800	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Twin leaf in-line 'single lock' upstand access cover	1200	2550	325	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Twin leaf in-line 'twin lock' upstand access cover	2550	4200	325	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Twin leaf end hinged upstand access cover	325	1950	1200	2350	D10 (SR4)	450aa/01
UltraSecure Access Cover	Triple leaf in-line 'single lock' upstand access cover	2735	4450	325	1250	D10 (SR4)	450aa/01
UltraSecure Access Cover	Triple leaf end hinged upstand access cover	325	1950	2350	4150	D10 (SR4)	450aa/01
UltraSecure Access Cover	Multiple drop on upstand access cover	380	Unlimited	1250	5000	D10 (SR4)	450aa/01
UltraSecure Access Cover	Single leaf flush-fitting access cover	325	1200	325	1200	D10 (SR4)	450aa/01
UltraSecure	Twin leaf flush-fitting access	325	1200	650	2400	D10	450aa/01

ACCESS COVERS AND HATCHES

Access Cover	cover					(SR4)	
UltraSecure Access Cover	Triple leaf flush-fitting access cover	325	1200	975	3600	D10 (SR4)	450aa/01
UltraSecure Access Cover	Multiple leaf flush-fitting access cover	650	2400	650	Unlimited	D10 (SR4)	450aa/01
UltraSecure Access Cover	Drop on flush-fitting access cover	325	4900	325	Unlimited	D10 (SR4)	450aa/01
UltraSecure Access Cover	Multiple leaf in-line upstand access cover	2735	Unlimited	325	1250	D10 (SR4)	450aa/01

Certificate No: 450ad to LPS 1175: Issue 8

Horizontal Access Cover

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
UltraSecure Access Cover	Single leaf 'single lock' upstand access cover	325	1250	325	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Single leaf 'twin front lock' upstand access cover	1200	1950	325	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Single leaf 'twin side lock' upstand access cover	1100	1950	800	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Twin leaf in-line 'single lock' upstand access cover	1220	2550	325	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Twin leaf in-line 'twin lock' upstand access cover	2550	4200	325	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Twin leaf end hinged upstand access cover	325	1950	1200	2350	B3 (SR2)	450ad/01
UltraSecure Access Cover	Triple leaf in-line 'single lock' upstand access cover	2735	4450	325	1250	B3 (SR2)	450ad/01
UltraSecure Access Cover	Triple leaf end hinged upstand access cover	325	1950	2350	4150	B3 (SR2)	450ad/01
UltraSecure Access Cover	Multiple drop on upstand access cover	380	Unlimited	1250	5000	B3 (SR2)	450ad/01

Certificate No: 450aj to LPS 1175: Issue 8

Horizontal Access Covers

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Ultra-Vent Secure	Single leaf 'single lock' upstand access cover with vented base	380	1250	325	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Single leaf 'twin front lock' upstand access cover with vented base	1200	1950	325	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Single leaf 'twin side lock' upstand access cover with vented base	1100	1950	800	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Twin leaf in-line 'single lock' upstand access cover with vented base	1200	2550	325	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Twin leaf in-line 'twin lock' upstand access cover with vented base	2550	4200	325	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Twin leaf end hinged upstand access cover with vented base	325	1950	1200	2350	D10 (SR4)	450aj/01
Ultra-Vent Secure	Triple leaf in-line 'single lock' upstand access cover with vented base	2735	4450	325	1250	D10 (SR4)	450aj/01
Ultra-Vent Secure	Triple leaf end hinged upstand access cover with vented base	325	1950	2350	4150	D10 (SR4)	450aj/01

Certificate No: 450n to LPS 1175: Issue 7

Horizontal Access Covers

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Compatible Padlocks	Security Rating	LPCB Ref. No.
UltraSecure	Single leaf 'single lock' upstand access cover	380	1250	325	1250	A to E and H to O	3	450n/15
UltraSecure	Single leaf 'twin front lock' upstand access cover	1200	1950	325	1250	A to E and H to O	3	450n/16
UltraSecure	Single leaf 'twin side lock' upstand access cover	1100	1950	800	1250	A to E and H to O	3	450n/17
UltraSecure	Twin leaf in-line 'single lock' upstand access cover	1200	2550	325	1250	A to E and H to O	3	450n/18
UltraSecure	Twin leaf in-line 'twin lock' upstand access cover	2550	4200	325	1250	A to E and H to O	3	450n/19
UltraSecure	Twin leaf end hinged	325	1950	1200	2350	A to E	3	450n/20

ACCESS COVERS AND HATCHES

upstand access cover						and H to O		
UltraSecure	Triple leaf in-line 'single lock' upstand access cover	2735	4450	325	1250	A to E and H to O	3	450n/21
UltraSecure	Triple leaf end hinged upstand access cover	325	1950	2350	4150	A to E and H to O	3	450n/22
UltraSecure	Multiple drop on upstand access cover	380	Unlimited	1250	5000	A to E and H to O	3	450n/23

Certificate No: 450s to LPS 1175: Issue 8

Horizontal Access Cover

Product Name	Type	Minimum Width of Internal Opening (mm)	Maximum Width of Internal Opening (mm)	Minimum Length of Internal Opening (mm)	Maximum Length of Internal Opening (mm)	Security Rating	LPCB Ref. No.
Emergency Escape Upstand Access Cover	Single leaf upstand access cover	700	1200	600	1200	D10 (SR4)	450s/01

ALARM TRANSMISSION EQUIPMENT AND SYSTEMS

LPCB provides certification schemes based on the EN 50131 and EN 50136 series of standards for the components of intrusion and hold-up alarm systems.

LPCB offers certification of alarm transmission equipment to the following standards:

- EN 50136-2 *Alarm systems - Alarm transmission systems and equipment - Part 2: Requirements for Supervised Premises Transceiver (SPT)*
 - EN 50136-3 *Alarm systems - Alarm transmission systems and equipment. Part 3: Requirements for Receiving Centre Transceiver (RCT)*
 - EN 50131-10 *Alarm systems - Intrusion and hold-up systems - Part 10: Application specific requirements for Supervised Premises Transceiver (SPT)*
-

ASSET MARKING SYSTEMS

The following marking devices listed have been tested to LPS 1225 *Requirements for the LPCB approval and listing of asset marking systems*.

LPS 1225 specifies requirements for the composition and performance of an asset marking system such that, when used according to the manufacturers instructions, the asset marking device may:

- i) Enable the marked asset to be traced to the legal owner via a secure database register linked to the marking system employed.
- ii) Act as a theft deterrent in the first instance by virtue of known existence.

It is assumed that the part of the asset to which the asset marking device is applied is at least equal in resistance to removal from the asset as the asset marking device employed.

The two-part classification indicates the resistance of the product to eradication of ownership traceability and resistance to complete removal of marking without leaving evidence of previous existence. This gives the end-user the option of selecting a product to suit the required application. Complete removal of the marking and restoration of the asset gives maximum resale value to the stolen asset; however the standard does not take into account replication or replacement of components as part of asset restoration.

The overall classification designation achieved is given by two numerals separated by a plus sign. The first numeral represents the resistance rating to erasure of traceability and the second numeral to complete removal/asset restoration.

The two classifications are both on a scale of one to eight. Classification 1 performance relates to that which should be expected as a minimum for marking devices used in the retail trade and other public areas equipped with CCTV and security staff. Classification 8, on the other hand, is aimed at marking devices applied to assets that have a high value and this will be the subject of a more determined level of effort by the criminal in order to prevent traceability or completely remove the mark.

Long term durability of the system and associated components are beyond the scope of this standard, as are the performance requirements of any covert marking technology incorporated in the system.

Although this standard specifies that the product instructions shall include hazard data, confirmation of the authenticity of such data is not addressed.

All approved marking devices are marked with a unique asset identification code. The LPCB certification mark and reference numbers relating to the marking device and database, and the telephone number of the database will also be marked on the marking device, or where this is not viable, on separate warning labels which are supplied with the marking device.

In addition to LPS 1225, LPCB is currently working with manufacturers and specifiers to finalise standards classifying the performance of microdot, trace chemical and RFID marking systems. Please contact the Security Team (email: PhysicalSecurity@bregroup.com) for more information.

QA TEST COMPANY

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Auth. Representative

TEST COMPANY BEN 123, X, X, United Kingdom

Certificate No: QA32134 to LPS 1673: Issue 1

Suspension Test

Product Name	Description	LPCB Ref. No
8Apr Start7End8	Test description	23423
8Apr Start8End9	Test Test	32423432
	TEst notes	
8Apr Start9End10	test description	234324
	test notes	
8Apr Start9End10: Retest	test test	435435
25 Apr 2025		Page 11 of 208

ASSET MARKING SYSTEMS

test test

Suspension Test notes

Selectamark Security Systems Plc

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Certificate No: 497a to LPS 1225: Issue 3

Overt Asset Marking Systems

Product Name	Type of Marking Device	Compatible Substrate	Resistance Rating Classification	Database Reference Number	LPCB Ref. No.
Selectamark (7mm)	Glass etching compound	Float glass	1 + 8	497b	497a/01
Selectamark (7mm)	'Blue' etching compound	ABS plastic	1 + 2	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Enamel finished steel	1 + 1	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Leather	1 + 2	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Polycarbonate	2 + 5	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 3	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Planed softwood timber	1 + 1	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Planed hardwood timber	1 + 1	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	Plywood	1 + 1	497b	497a/02
Selectamark (7mm)	'Blue' etching compound	PVC	1 + 2	497b	497a/02
Selectamark (7mm)	'UV-Orange' etching compound	ABS plastic	1 + 2	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Enamel finished steel	1 + 1	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Leather	1 + 2	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Polycarbonate	2 + 5	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 3	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Planed softwood timber	1 + 1	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Planed hardwood timber	1 + 1	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	Plywood	1 + 1	497b	497a/03
Selectamark (7mm)	'UV-Orange' etching compound	PVC	1 + 2	497b	497a/03
Supermark (5mm)	Label and 'Blue' etching compound	ABS plastic	1 + 3	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Enamel finish steel	1 + 2	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Polycarbonate	1 + 4	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Polypropylene	1 + 2	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 4	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Planed softwood timber	1 + 2	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Planed hardwood timber	1 + 2	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	Plywood	1 + 2	497b	497a/04
Supermark (5mm)	Label and 'Blue' etching compound	PVC	1 + 3	497b	497a/04
Supermark (5mm)	Label and 'UV-Orange' etching compound	ABS plastic	1 + 3	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Enamel finished steel	1 + 2	497b	497a/05

ASSET MARKING SYSTEMS

Supermark (5mm)	Label and 'UV-Orange' etching compound	Polycarbonate	1 + 4	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Polypropylene	1 + 2	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 4	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Planned softwood timber	1 + 2	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Planed hardwood timber	1 + 2	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	Plywood	1 + 2	497b	497a/05
Supermark (5mm)	Label and 'UV-Orange' etching compound	PVC	1 + 3	497b	497a/05
Selectamark (5mm)	'Blue' etching compound	ABS plastic	1 + 2	497b	497a/02
Selectamark (5mm)	'Blue' etching compound	Enamel finished steel	1 + 1	497b	497a/02
Selectamark (5mm)	'Blue' etching compound	Polycarbonate	2 + 5	497b	497a/02
Selectamark (5mm)	'Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 3	497b	497a/02
Selectamark (5mm)	'Blue' etching compound	PVC	1 + 2	497b	497a/02
Selectamark (5mm)	'Ice Blue' etching compound	ABS plastic	1 + 2	497b	497a/07
Selectamark (5mm)	'Ice Blue' etching compound	Enamel finished steel	1 + 1	497b	497a/07
Selectamark (5mm)	'Ice Blue' etching compound	Polycarbonate	2 + 5	497b	497a/07
Selectamark (5mm)	'Ice Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 3	497b	497a/07
Selectamark (5mm)	'Ice Blue' etching compound	PVC	1 + 2	497b	497a/07
Selectamark (7mm)	'Ice Blue' etching compound	ABS plastic	1 + 2	497b	497a/07
Selectamark (7mm)	'Ice Blue' etching compound	Enamel finished steel	1 + 2	497b	497a/07
Selectamark (7mm)	'Ice Blue' etching compound	Polycarbonate	2 + 5	497b	497a/07
Selectamark (7mm)	'Ice Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 3	497b	497a/07
Selectamark (7mm)	'Ice Blue' etching compound	PVC	1 + 2	497b	497a/07
Supermark (5mm)	Label and 'Ice Blue' etching compound	ABS plastic	1 + 3	497b	497a/06
Supermark (5mm)	Label and 'Ice Blue' etching compound	Enamel finished steel	1 + 2	497b	497a/06
Supermark (5mm)	Label and 'Ice Blue' etching compound	Polycarbonate	1 + 4	497b	497a/06
Supermark (5mm)	Label and 'Ice Blue' etching compound	Polymethyl Methacrylate ("Perspex")	1 + 4	497b	497a/06
Supermark (5mm)	Label and 'Ice Blue' etching compound	Polypropylene	1 + 2	497b	497a/06
Supermark (5mm)	Label and 'Ice Blue' etching compound	PVC	1 + 3	497b	497a/06
Selectamark (7mm)	Glass etching compound	Toughened glass	1 + 8	479b	497a/01

LPS 1224 Requirements for companies providing secure asset registration services defines requirements for asset registration companies providing third party secure asset registration services within the UK such that the information they are responsible for registering and maintaining:

- is secure
- can be used to verify the identity of the registered keeper of an asset registered on the secure asset register.

LPS 1224 covers secure asset registration services based on systems that accommodate the receipt, processing and storage of information and enquiries submitted to the asset registration company by post, fax, telephone, email and internet.

LPS 1224 does not specify any one design of secure asset register and is applicable to all sizes of asset registration company.

The minimum security requirements defined in LPS 1224 are designed to prevent unauthorized viewing, manipulation or destruction of the information registered on secure asset registers while also ensuring that information is suitably accessible to:

- registered keepers of assets registered on the secure asset register; and
- those wishing to verify details of the registered keeper, for example, law enforcement officers or people considering purchasing the registered items.

LPS 1224 identifies four grades of secure asset register. These are defined according to the value of the equipment recorded on that secure asset register and have been structured to suit registration of individual items of the following values:

- Grade 1 - items worth up to £20,000
- Grade 2 - items worth between £20,000 and £100,000
- Grade 3 - items worth between £100,000 and £1,000,000
- Grade 4 - items worth over £1,000,000

These values should only be used as an indication of the grading structure and shall not form the basis of any decisions on which grade of secure asset register to use to register items. Such decisions should be based on a users own risk assessment together with the requirements of their insurer and guidance provided by law enforcement officers and security experts.

The asset registration company must demonstrate compliance with all clauses relevant to the methods by which they receive, process, store and issue information securely and technologies they use to achieve a grading to LPS 1224.

LPS 1224 supports the secure registration of assets marked using asset marking devices approved to LPS 1225 Requirements for the LPCB approval and listing of asset marking systems. This does not preclude the use of secure asset registers certified to LPS 1224 being used to store information relating to assets that are not marked with asset marking devices certificated to that standard.

The following should also be noted:

- Registration of assets on secure asset registers complying with LPS 1224 does not automatically mean the registered keeper is the legal owner. Those wishing to verify legal ownership should seek appropriate evidence.
- Although the legal framework within which LPS 1224 was developed has resulted in the standards scope being restricted to companies providing secure asset registration services within UK, the requirements defined in LPS 1224 may also be applicable to secure asset registration services provided in other countries.

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Certificate No: 665a to LPS 1224: Issue 3

DATABASE MANAGEMENT FOR ASSET MARKING

Product Name	Telephone Number	Web Address	Hours of Operation	Security Level	LPCB Ref. No.
Datatag ID Secure Database	+44 (0)345 700 440	www.datatag.co.uk	24 hours a day, 7 days a week	2	665a/01

Recipero Limited

Corinium House, Corinium Avenue, Gloucester, GL4 3HX, United Kingdom

Tel: +44 (0) 333 880 6658

E-mail: info@recipero.com • Website: www.recipero.com

Certificate No: 1685a to LPS 1224: Issue 3

Secure Database Register

Product Name	Web	Hours of Operation	Security Level	LPCB Ref. No.
Immobilise	WWW.immobilise.com	24 hours a day, 7 days a week	1	1685a/01

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1 Locks Court, 429 Crofton Road, Locksbottom, Kent, BR6 8NL, United Kingdom

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Certificate No: 497b to LPS 1224: Issue 3

Secure Database Register

Product Name	Security Level	LPCB Ref. No.
Selectamark Secure Asset Register	2	497b/01
BikeRegister	1	497b/02

ENTRANCE SYSTEMS

Entrance systems listed in this section are certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

In order to comply with the terms of the certification, the entrance systems must be installed in accordance with the relevant manuals noted within the product entry.

When selecting an entrance system, it is important to note aspects such as the size, operating modes and the location of the product within the substrate. These products also offer a wide variety of options, such as safety and detection systems, emergency unlocking devices, links to fire alarm systems. All can affect the level of security provided by the product. Where options are not covered in the listing, those options fall outside the scope of that products certification.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

ENTRANCE SYSTEMS

Further information on the security rating system and attack tools can be found in the standard itself, which can be downloaded for free from www.redbooklive.com.

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Certificate No: 1479b to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
C3	S1	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.86	A1 (SR1)	1479b/01
C3	R-S1	Cylindrical portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.86	A1 (SR1)	1479b/01
C3	S2	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.86	B3 (SR2)	1479b/01
C3	R-S2	Cylindrical portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.86	B3 (SR2)	1479b/01
C3	S3	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.86	C5 (SR3)	1479b/01
C3	R-S3	Cylindrical portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.86	C5 (SR3)	1479b/01

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Certificate No: 1479c to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
C190	S1	Cylindrical portal with two pairs of bi-parting doors	2.22, 2.295, 2.46	1.911	2.06, 2.135, 2.3	1.2	A1 (SR1)	1479c/01
C190	S2	Cylindrical portal with two pairs of bi-parting doors	2.22, 2.295, 2.46	1.911	2.06, 2.135, 2.3	1.2	B3 (SR2)	1479c/01
C190	S3	Cylindrical portal with two pairs of bi-parting doors	2.22, 2.295, 2.46	1.911	2.06, 2.135, 2.3	1.2	C5 (SR3)	1479c/01
C190	R-S1	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.365, 2.53	1.911	2.06, 2.135, 2.3	1.2	A1 (SR1)	1479c/01
C190	R-S2	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.365, 2.53	1.911	2.06, 2.135, 2.3	1.2	B3 (SR2)	1479c/01
C190	R-S3	Cylindrical portal with two pairs of bi-parting doors	2.29, 2.365, 2.53	1.911	2.06, 2.135, 2.3	1.2	C5 (SR3)	1479c/01

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ENTRANCE SYSTEMS

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Certificate No: 1479d to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
FPJ1402HP	S1	Oblong portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	A1 (SR1)	1479d/01
FPJ1402HP	R-S1	Oblong portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	A1 (SR1)	1479d/01
FPJ1402HP	S2	Oblong portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	B3 (SR2)	1479d/01
FPJ1402HP	R-S2	Oblong portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	B3 (SR2)	1479d/01
FPJ1402HP	S3	Oblong portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	C5 (SR3)	1479d/01
FPJ1402HP	R-S3	Oblong portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	C5 (SR3)	1479d/01

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Certificate No: 1479e to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
FPJ1401A	S1	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	A1 (SR1)	1479e/01
FPJ1401A	R-S1	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	A1 (SR1)	1479e/01
FPJ1401A	S2	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	B3 (SR2)	1479e/01
FPJ1401A	R-S2	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	B3 (SR2)	1479e/01

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Certificate No: 1479f to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Width / Depth (m)	Entrance Height (m)	Curved Side Entrance Width (m)	Security Rating	LPCB Ref. No.
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FPJ1402S	S1	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.29, 2.395, 2.56	1868 / 998	2.03, 2.135, 2.3	0.885	A1 (SR1)	1479f/01
FPJ1402S	R-S1	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.32, 2.42, 2.585	1868 / 998	2.035, 2.135, 2.3	0.885	A1 (SR1)	1479f/01
FPJ1402S	S2	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.29, 2.395, 2.56	1868 / 998	2.03, 2.135, 2.3	0.885	B3 (SR2)	1479f/01
FPJ1402S	R-S2	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.32, 2.42, 2.585	1868 / 998	2.035, 2.135, 2.3	0.885	B3 (SR2)	1479f/01
FPJ1402S	S3	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.29, 2.395, 2.56	1868 / 998	2.03, 2.135, 2.3	0.885	C5 (SR3)	1479f/01
FPJ1402S	R-S3	Half cylindrical portal with either flat bi-parting sliding doors on the non-secure side and curved bi-parting sliding doors on the secure side or curved bi-parting sliding doors on the non-secure side and flat bi-parting sliding doors on the secure side	2.32, 2.42, 2.585	1868 / 998	2.035, 2.135, 2.3	0.885	C5 (SR3)	1479f/01

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Certificate No: 1479g to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
HPJ140	S1	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	A1 (SR1)	1479g/01
HPJ140	R-S1	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	A1 (SR1)	1479g/01
HPJ140	S2	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.29, 2.395, 2.56	1.381	2.03, 2.135, 2.3	0.885	B3 (SR2)	1479g/01
HPJ140	R-S2	Half cylindrical portal with a pair of external bi-parting doors and internal swing door	2.32, 2.42, 2.585	1.381	2.035, 2.135, 2.3	0.885	B3 (SR2)	1479g/01

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Certificate No: 1479h to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
C1	S1	Cylindrical portal with two single doors	2.29, 2.395, 2.56	0.988	2.03, 2.135, 2.3	0.6	A1 (SR1)	1479h/01
C1	R-S1	Cylindrical portal with two single doors	2.32, 2.42, 2.585	0.988	2.035, 2.135, 2.3	0.6	A1 (SR1)	1479h/01

ENTRANCE SYSTEMS

C1	S2	Cylindrical portal with two single doors	2.29, 2.395, 2.56	0.988	2.03, 2.135, 2.3	0.6	B3 (SR2)	1479h/01
C1	R-S2	Cylindrical portal with two single doors	2.32, 2.42, 2.585	0.988	2.035, 2.135, 2.3	0.6	B3 (SR2)	1479h/01
C1	S3	Cylindrical portal with two single doors	2.29, 2.395, 2.56	0.988	2.03, 2.135, 2.3	0.6	C5 (SR3)	1479h/01
C1	R-S3	Cylindrical portal with two single doors	2.32, 2.42, 2.585	0.988	2.035, 2.135, 2.3	0.6	C5 (SR3)	1479h/01

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Certificate No: 1479i to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
C2	S1	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.7	A1 (SR1)	1479i/01
C2	R-S1	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.7	A1 (SR1)	1479i/01
C2	S2	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.7	B3 (SR2)	1479i/01
C2	R-S2	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.7	B3 (SR2)	1479i/01
C2	S3	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.7	C5 (SR3)	1479i/01
C2	R-S3	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.7	C5 (SR3)	1479i/01

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Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
C3-2A	S1	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.86	A1 (SR1)	1479j/01
C3-2A	R-S1	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.86	A1 (SR1)	1479j/01
C3-2A	S2	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.86	B3 (SR2)	1479j/01
C3-2A	R-S2	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.86	B3 (SR2)	1479j/01
C3-2A	S3	Cylindrical portal with two single doors	2.29, 2.395, 2.56	1.151	2.03, 2.135, 2.3	0.86	C5 (SR3)	1479j/01
C3-2A	R-S3	Cylindrical portal with two single doors	2.32, 2.42, 2.585	1.151	2.035, 2.135, 2.3	0.86	C5 (SR3)	1479j/01

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Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Width / Depth (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
E1	S1	Square portal with two single doors	2.29, 2.395, 2.56	0.995 / 0.995	2.03, 2.135, 2.3	0.6	A1 (SR1)	1479k/01
E1	R-S1	Square portal with two single doors	2.32, 2.42, 2.585	0.995 / 0.995	2.035, 2.135, 2.3	0.6	A1 (SR1)	1479k/01
E1	S2	Square portal with two single doors	2.29, 2.395, 2.56	0.995 / 0.995	2.03, 2.135, 2.3	0.6	B3 (SR2)	1479k/01
E1	R-S2	Square portal with two single doors	2.32, 2.42, 2.585	0.995 / 0.995	2.035, 2.135, 2.3	0.6	B3 (SR2)	1479k/01
E1	S3	Square portal with two single doors	2.29, 2.395, 2.56	0.995 / 0.995	2.03, 2.135, 2.3	0.6	C5 (SR3)	1479k/01
E1	R-S3	Square portal with two single doors	2.32, 2.42, 2.585	0.995 / 0.995	2.035, 2.135, 2.3	0.6	C5 (SR3)	1479k/01

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Certificate No: 1479m to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Width / Depth (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
E2	S1	Square portal with two single doors	2.29, 2.395, 2.56	1.15 / 1.15	2.03, 2.135, 2.3	0.7	A1 (SR1)	1479m/01
E2	R-S1	Square portal with two single doors	2.32, 2.42, 2.585	1.15 / 1.15	2.035, 2.135, 2.3	0.7	A1 (SR1)	1479m/01
E2	S2	Square portal with two single doors	2.29, 2.395, 2.56	1.15 / 1.15	2.03, 2.135, 2.3	0.7	B3 (SR2)	1479m/01
E2	R-S2	Square portal with two single doors	2.32, 2.42, 2.585	1.15 / 1.15	2.035, 2.135, 2.3	0.7	B3 (SR2)	1479m/01
E2	S3	Square portal with two single doors	2.29, 2.395, 2.56	1.15 / 1.15	2.03, 2.135, 2.3	0.7	C5 (SR3)	1479m/01
E2	R-S3	Square portal with two single doors	2.32, 2.42, 2.585	1.15 / 1.15	2.035, 2.135, 2.3	0.7	C5 (SR3)	1479m/01

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Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Width / Depth (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
E3-2A	S1	Square portal with two single doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	A1 (SR1)	1479n/01
E3-2A	R-S1	Square portal with two single doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	A1 (SR1)	1479n/01
E3-2A	S2	Square portal with two single doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	B3 (SR2)	1479n/01
E3-2A	R-S2	Square portal with two single doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	B3 (SR2)	1479n/01
E3-2A	S3	Square portal with two single doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	C5 (SR3)	1479n/01
E3-2A	R-S3	Square portal with two single doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	C5 (SR3)	1479n/01

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Certificate No: 1479p to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Width / Depth (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
E3	S1	Square portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	A1 (SR1)	1479p/01
E3	R-S1	Square portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	A1 (SR1)	1479p/01
E3	S2	Square portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	B3 (SR2)	1479p/01
E3	R-S2	Square portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	B3 (SR2)	1479p/01
E3	S3	Square portal with two pairs of bi-parting doors	2.29, 2.395, 2.56	1.382 / 1.382	2.03, 2.135, 2.3	0.86	C5 (SR3)	1479p/01
E3	R-S3	Square portal with two pairs of bi-parting doors	2.32, 2.42, 2.585	1.382 / 1.382	2.035, 2.135, 2.3	0.86	C5 (SR3)	1479p/01

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Certificate No: 1479q to LPS 1175: Issue 8

Revolving Doorsets

Product Name	Type	Number of Wings	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
Rev 190	Single full height revolving	Four	2.29	1.911	2.306	1.5	C5 (SR3)	1479q/01

ENTRANCE SYSTEMS

S3	doorset								
Rev 190 S3	Single full height revolving doorset	Four	2.365	1.911	2.135	1.5	C5 (SR3)	1479q/01	
Rev 190 S3	Single full height revolving doorset	Four	2.46	1.911	2.30	1.5	C5 (SR3)	1479q/01	
Rev 190 S3	Single full height revolving doorset	Four	2.83	1.911	2.60	1.5	C5 (SR3)	1479q/01	
Rev 190 S1	Single full height revolving doorset	Four	2.29	1.911	2.306	1.5	A1 (SR1)	1479q/02	
Rev 190 S1	Single full height revolving doorset	Four	2.365	1.911	2.135	1.5	A1 (SR1)	1479q/02	
Rev 190 S1	Single full height revolving doorset	Four	2.46	1.911	2.30	1.5	A1 (SR1)	1479q/02	
Rev 190 S1	Single full height revolving doorset	Four	2.83	1.911	2.60	1.5	A1 (SR1)	1479q/02	
Rev 190 S2	Single full height revolving doorset	Four	2.29	1.911	2.306	1.5	B3 (SR2)	1479q/03	
Rev 190 S2	Single full height revolving doorset	Four	2.365	1.911	2.135	1.5	B3 (SR2)	1479q/03	
Rev 190 S2	Single full height revolving doorset	Four	2.46	1.911	2.30	1.5	B3 (SR2)	1479q/03	
Rev 190 S2	Single full height revolving doorset	Four	2.83	1.911	2.60	1.5	B3 (SR2)	1479q/03	

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Certificate No: 1540a to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
ClearLock 635	635-1	Cylindrical portal with two single leaf doors	2.35	1.052	2.074	0.58	A1 (SR1)	1540a/01
ClearLock 635	635-2	Cylindrical portal with two single leaf doors	2.35	1.052	2.074	0.58	B3 (SR2)	1540a/01
ClearLock 635	635-3	Cylindrical portal with two single leaf doors	2.35	1.052	2.074	0.58	C5 (SR3)	1540a/01

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Certificate No: 1540b to LPS 1175: Issue 8

Security Portals

Product Name	Model	Type	Nominal External Height (m)	Nominal External Diameter (m)	Entrance Height (m)	Entrance Width (m)	Security Rating	LPCB Ref. No.
ClearLock 637	637-1	Cylindrical portal with two single leaf doors	2.35	1.5	2.074	0.9	A1 (SR1)	1540b/01
ClearLock 637	637-2	Cylindrical portal with two single leaf doors	2.35	1.5	2.074	0.9	B3 (SR2)	1540b/01
ClearLock 637	637-3	Cylindrical portal with two single leaf doors	2.35	1.5	2.074	0.9	C5 (SR3)	1540b/01

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Certificate No: 1660d to LPS 1175: Issue 8

Security Portals

Product Name	Type	Nominal External Depth (m)	Nominal External Width (m)	Entrance Height (m)	Security Rating	LPCB Ref. No.
HiSec2 6SQ-L3	Square portal with one fully glazed sliding leaf opening to the non-secure side and one fully glazed sliding leaf opening to the secure side	1.05	1.05	2.38	C5 (SR3)	1660d/01
HiSec2 7SQ-L3	Square portal with one fully glazed sliding leaf opening to the non-secure side and one fully glazed sliding leaf opening to the secure side	1.2	1.2	2.38	C5 (SR3)	1660d/01
HiSec2 9SQ-L3	Square portal with one fully glazed sliding leaf opening to the non-secure side and one fully glazed sliding leaf opening to the secure side	1.5	1.5	2.38	C5 (SR3)	1660d/01

EQUIPMENT FOR PREVENTING UNAUTHORISED REMOVAL OF IT EQUIPMENT AND MOBILE DEVICES

Products in this section are certified to one or more of the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free standing barriers.*
- LPS 1214 *Specification for testing and classifying physical protection devices for personal computers and similar equipment for the performance of security equipment designed to prevent removal of computer and other office equipment.*

Display equipment for preventing the removal of mobile devices, such as mobile phones, tablets and smart watches, may be certified to LPS 1175. The standard defines resistance to removal of the protected asset according to the level of tools resisted and delay achieved.

The security ratings attributed to display equipment, in accordance with LPS 1175, indicate the equipments capacity to resist unauthorised removal of the types and models of mobile device listed as being compatible with that display equipment. The security ratings indicate its resistance to removal of the listed devices from the equipment as well as the display equipments removal from the display unit to which it is fixed. The latter is defined within the user instructions supplied with the display equipment, as listed within the associated entry. Certification does not cover the unauthorised removal of the associated display unit to which the equipment is attached. Consideration should therefore be given to the suitability of the display units on which mobile devices are displayed to ensure they cannot be easily removed from the retail unit or their integrity destroyed in order to remove the features to which the display equipment is attached.

When rating such equipments performance to LPS 1175, it is assumed those wishing to illegally remove the protected devices will wish to avoid causing significant damage to those devices in order to preserve their resale value.

An infographic summarising the security ratings defined in LPS 1175 can be downloaded from www.redbooklive.com.

Equipment for preventing unauthorised removal of IT equipment, such as computers and servers, may be certified to either LPS 1175 or LPS 1224.

LPS 1175 may be applied to individual devices, such as server racks, as well as to the construction of data halls and complete data centres. Products that may be used to construct data halls and data centres, such as walling systems, doors and entrance systems as well as perimeter systems such as fencing, gates and turnstiles, are listed in other sections. Meanwhile, server racks and computer entrapment devices certified to LPS 1175 are listed within this section.

LPS 1214 was originally published in the 1990s in response to a request from the Association of British Insurers to develop a standard specifically for determining the capability for IT enclosures and entrapments to resist unauthorised removal of IT equipment or the processing and memory chips contained within them.

LPS 1214 defines two categories of protection. Both categories of protection indicate the IT enclosures and entrapments have the capability to prevent theft of the IT device for three minutes, allowing a response by Police or security guards. That level of resistance to removal is approximately equivalent to that indicated by a Security Rating B3 (SR2) classification in accordance with LPS 1175. Category II products also prevent removal of chips from within the protected IT equipment for 3 minutes.

Suitable applications for products certified to LPS 1214 are described below:

Category I: Prevent unauthorised removal of personal computers (PCs), file servers, printers and other high value equipment for example where access is important for use and the component value is low.

Category II: Prevent unauthorised removal of or access to personal computers (PCs), file servers, printers and other high value equipment for example where the PC is both important and highly valued and/or the component value is high.

Specifiers requiring category II protection devices should ensure that they select a device suitable for their particular equipment and that there is suitable ventilation for the equipment in accordance with any instructions and warranty conditions supplied with the equipment.

In order that they will provide the required protection, the approved equipment must be installed in accordance with the manufacturers instructions and be in the locked condition with keys removed and held in a secure location.

It is recommended that users regularly check that all exposed fixings and locking mechanisms are in good condition and that they have not been tampered with.

It is also recommended that ICT equipment is marked with an asset management marking system approved to LPS 1225 Requirements for the LPCB approval and listing of asset marking systems and registered on a secure asset database certified to LPS 1224 Requirements for companies providing secure asset registration services. Marking devices and secured database services are listed in Sections 13 and 14.

EQUIPMENT FOR PREVENTING UNAUTHORISED REMOVAL OF IT EQUIPMENT AND MOBILE DEVICES

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Certificate No: 1596b to LPS 1214: Issue 2

Server Security Cabinets

Product Name	Type	Model	Height (mm)	Width (mm)	Depth (mm)	Security Category	LPCB Ref. No.
Sun Safe System Vault	Server enclosure with single door in front and rear	UKT-SUNSAFE-1	2160	725	1500	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	UKT-SUNSAFE-2	2160	725	1265	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	UKT-SUNSAFE-3	2160	725	1100	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	UKT-SUNSAFE-6	1000	725	1000	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	UKT-SUNSAFE-7	1000	725	900	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	Made to measure: Minimum size	1000	600	600	II	1596b/01
Sun Safe System Vault	Server enclosure with single door in front and rear	Made to measure: Maximum size	2500	1000	2000	II	1596b/01
Sun Safe System Vault	Server enclosure with double door in front and rear	UKT-SUNSAFE-4	2160	1000	1500	II	1596b/01
Sun Safe System Vault	Server enclosure with double door in front and rear	UKT-SUNSAFE-5	2160	1000	1853	II	1596b/01
Sun Safe System Vault	Server enclosure with double door in front and rear	UKT-SUNSAFE-8	2160	1000	1265	II	1596b/01
Sun Safe System Vault	Server enclosure with double door in front and rear	Made to measure: Minimum size	1000	700	600	II	1596b/01
Sun Safe System Vault	Server enclosure with double door in front and rear	Made to measure: Maximum size	2500	2000	2000	II	1596b/01
Ventis Server Safe	Server enclosure with single door in front and rear	-	2127	725	1100	II	1596b/01

Solutions Diverse Ltd

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Certificate No: 1598a to LPS 1175: Issue 8

Mobile Phone Display Clamps

Product Name	Type	Compatible Devices	Security Rating	LPCB Ref. No.
SD=PB v3	Mobile phone display clamp	1, 2, 3, 4 and 5	A1 (SR1)	1598a/01

GARAGE DOORS

Theft of equipment from garages is fairly common due to the value of equipment often stored within them and the ease with which burglars can overcome many garage doors. Burglars also target garages that provide access to the inside of the house via internal pedestrian doors because the burglars can:

- Attack the internal doorset unobserved by people in surrounding properties; and/or
- Use tools stored within the garage to aid their entry into the house.

Specifying garage doors that provide proven levels of resistance to forced entry therefore plays an important part in reducing:

- Theft of equipment from garages.
- Theft of items from houses resulting from entry through adjoining garages.

LPCB certify garage doors to one or more of the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

Access covers	Garage doorsets	Security screens
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GARAGE DOORS

· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 2081

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Introduction to EN 1627

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to Resistance Class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

Suitability

Products approved to LPS 2081 and EN 1627 (resistance classes 1 to 3) should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to LPS 1175. Likewise, specifications should reference LPS 1175 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

Supplementary security within garages

In addition to installing a certified garage door, those keen to improve the security of equipment stored within a garage should consider using security enclosures approved to either LPS 1175 or LPS 2081 and/or marking assets using marking systems certified to LPS 1225 and fitting intruder detection equipment approved by LPCB and installed by a competent installer.

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Certificate No: 931a to LPS 1175: Issue 6

Garage Doors

Product Name	Type	Minimum Structural OpeningHeight (m)	Maximum Structural OpeningHeight (m)	Minimum Structural OpeningWidth (m)	Maximum Structural OpeningWidth (m)	Maximum Door Area (m²)	Compatible Locking Devices	Security Rating	LPCB Ref. No.
Elite	Internally face fitted double skin insulated roller shutter	0.9	5.2	0.9	5.0	20	B	1	931a/02

GARAGE DOORS

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Certificate No: 390b to LPS 1175: Issue 5

Garage Doors

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SeceuroGlide Excel	Garage door	1.0	3.85	1.5	5.2	1	390b/01

Certificate No: 390f to LPS 2081: Issue 1

Garage Door

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SeceuroGlide Original	Garage door	1.9	3.5	1.5	5.4	A	390f/01

GAS CYLINDER SECURITY DEVICES

This section lists gas cylinder security devices that have been certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

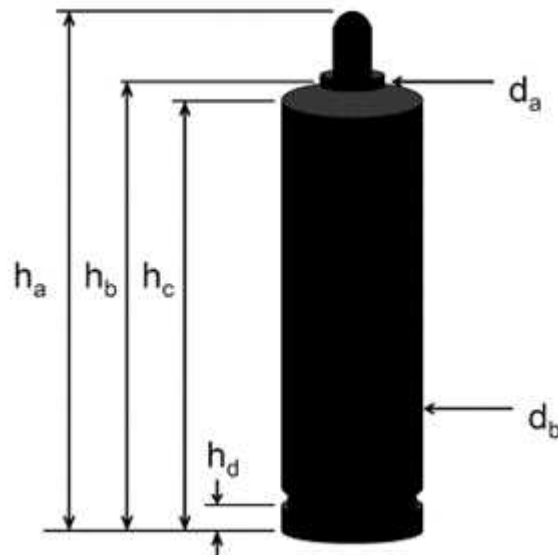
The certification covers the resistance to unauthorised removal of gas cylinders provided by the security devices when installed and maintained in accordance with the approved instructions.

The certification does not cover the resistance to unauthorised operation of the gas cylinders when secured by the devices listed.

Product Selection

When selecting a gas cylinder security device, check that the products approval covers the types and sizes of cylinders to be secured, the compatible locking systems listed and the substrates to which the devices may be fixed in order to provide secure anchorage - all can affect the level of security provided by the product.

To enable selection of the most appropriate product for the desired application, the listing defines the gas cylinders that are covered by the scope of approval in terms of the supplier, supplier reference and following dimensions:



Key:

h_a = Height of cylinder, including foot ring and neck ring and/or valve cap

h_b = Height of cylinder to base of neck ring

h_c = Height of cylinder to edge of shoulder

h_d = Height of foot ring

d_a = Diameter at base of neck ring/valve cap

d_b = Diameter of cylinder

To achieve the security ratings:

- (a) the gas cylinder security devices must be installed in accordance with the manufacturers instructions;
- (b) all locks must be fully engaged and deadlocked; and
- (c) all exposed fixings, the substrate onto which each device is fitted and the locking mechanism(s) must be regularly checked to ensure they are in good condition and that they have not been tampered with.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security.

GAS CYLINDER SECURITY DEVICES

Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

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· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

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Certificate No: 312n to LPS 1175: Issue 8

Gas Cylinder Security Devices

Product Name	Type	Compatible Gas Cylinders	Security Rating	LPCB Ref. No.
Liddle Series 2 Bottle Storage Frame LD Type A (CL2)	Three bottle storage frame	1, 4, 5 and 6	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type A (SO2)	Three bottle storage frame	2	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type A (NH3)	Three bottle storage frame	3	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type B (CL2)	Two bottle storage frame	1, 4, 5 and 6	B3 (SR2)	312n/01

GAS CYLINDER SECURITY DEVICES

Liddle Series 2 Bottle Storage Frame LD Type B (SO2)	Two bottle storage frame	2	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type B (NH3)	Two bottle storage frame	3	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type C (CL2)	Four bottle storage frame	1, 4, 5 and 6	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type C (SO2)	Four bottle storage frame	2	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type C (NH3)	Four bottle storage frame	3	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type D (CL2)	Six bottle storage frame	1	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type D (SO2)	Six bottle storage frame	2	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type F (CL2)	Single bottle storage frame	1, 4, 5 and 6	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type F (SO2)	Single bottle storage frame	2	B3 (SR2)	312n/01
Liddle Series 2 Bottle Storage Frame LD Type F (NH3)	Single bottle storage frame	3	B3 (SR2)	312n/01

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Certificate No: 450e to LPS 1175: Issue 6

Gas Cylinder Security Devices

Product Name	Type	Gas Cylinders	Security Rating	LPCB Ref. No.
Ultrasecure Cylinder Clamp	Single cylinder clamp	1, 2, 3, 4 and 5	2	450e/01

INTRUSION AND HOLD-UP ALARM SYSTEM COMPONENTS

LPCB provides certification schemes based on the EN 50131 and EN 50136 series of standards for the components of intrusion and hold-up alarm systems.

This section lists components of intrusion and hold-up alarm systems where compliance with the applicable part of the EN 50131 series of product standards has been confirmed by LPCB specialists and most importantly on going assessment confirms the component continues to comply with the requirements.

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Certificate No: 1712a to EN 50131-3, EN 50131-2-2, EN 50131-2-6, EN 50131-4, EN 50131-5-3, EN 50131-3:2009, EN 50131-5-3:2017

Intrusion and hold-up alarm system components

Product Name	Description	Product Specification	Applied Standards	LPCB Ref. No.
ABUS BUMO60030 30 zone expander	Part of the ABUS Secoris range of Ancillary Control and Indicating Equipment	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-3: 2009 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/01
ABUS FUMO60010 Wire-free repeater	Part of the ABUS Secoris range of Ancillary Control and Indicating Equipment	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-3: 2009 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/02
ABUS FUBE60010 Digital keyfob	Part of the ABUS Secoris range of Ancillary Control and Indicating Equipment	Equipment type - Portable Environmental Class II Security Grade 2	EN 50131-3: 2009 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/03
ABUS FUBW60100 Passive infrared detector	Part of the ABUS Secoris range of wire-free detectors	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-2-2: 2021 EN 50131-2-6: 2008 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/04
ABUS FUMK60030 Slim Door Contact (Colour options: White, or Anthracite grey)	Part of the ABUS Secoris range of wire-free detectors	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-2-2: 2021 EN 50131-2-6: 2008 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/05
ABUS FUSG60100 Outdoor Siren	Part of the ABUS Secoris range of wire-free warning devices	Equipment type - Fixed Environmental Class IV Security Grade 2	EN 50131-4: 2019 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/06
ABUS FUSG60110 Indoor-Siren	Part of the ABUS Secoris range of wire-free warning devices	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-4: 2019 EN 50131-5-3:2017 Including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712a/07

Certificate No: 1712b to EN 50131-2-2:2021, EN 50131-5-3:2017

Intrusion and hold-up alarm system components

Product Name	Description	Product Specification	Applied Standards	LPCB Ref. No.
ABUS FUBW60100 Passive infrared detector	Part of the ABUS Secoris range of wire free detectors	Equipment type - Fixed. Environment Class II Security Grade 2	EN 50131-2-2:2021 EN50131-5-3:2017. Including the related requirements of EN 50131-1:2006 + A3:2020. EN 50130-4:2011+A1:2014. EN 50130-5:2011	1712b/01

Certificate No: 1712c to EN 50131-2-6:2008, EN 50131-5-3:2017

Intrusion and hold-up alarm system components

Product Name	Description	Product Specification	Applied Standards	LPCB Ref. No.
ABUS FUBK60030 Slim Door Contract (Colour options: White or Anthracite Grey)	Part of the ABUS Secoris range of wire free detectors	Equipment type - Fixed. Environment Class II Security Grade 2	EN 50131-2-6:2008 EN50131-5-3:2017. Including the related requirements of EN 50131-1:2006 + A3:2020. EN 50130-4:2011+A1:2014. EN 50130-5:2011	1712c/01

Certificate No: 1712d to EN 50131-2-4:2019, EN 50131-5-3:2017

Intrusion and hold-up alarm system components

Product Name	Description	Product Specification	Applied Standards	LPCB Ref. No.
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INTRUSION AND HOLD-UP ALARM SYSTEM COMPONENTS

ABUS FUSG60100 Outdoor Siren	Part of the ABUS Secoris range of wire-free warning devices	Equipment type - Fixed. Environment Class IV Security Grade 2	EN 50131-2-4:2019 EN50131-5-3:2017. Including the related requirements of EN 50131-1:2006 + A3:2020. EN 50130-4:2011+A1:2014. EN 50130-5:2011	1712d/01
ABUS FUSG60110 Indoor Siren	Part of the ABUS Secoris range of wire-free warning devices	Equipment type - Fixed. Environment Class II Security Grade 2	EN 50131-2-4:2019 EN50131-5-3:2017. Including the related requirements of EN 50131-1:2006 + A3:2020. EN 50130-4:2011+A1:2014. EN 50130-5:2011	1712d/02

Certificate No: 1712e to EN 50131-2-4:2020, EN50131-5-3:2017

Alarm Systems – Intrusion and Hold-Up System Components

Product Name	Description	Product Specification	Applied Standards	LPCB Ref. No.
ABUS FUBW60120 Combined passive infrared and microwave movement detector	Part of the ABUS Secoris range of wire free detectors	Equipment type - Fixed Environmental Class II Security Grade 2	EN 50131-2-4: 2020, EN 50131-5-3:2017 including the related requirements of: EN 50131-1: 2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	1712e/01

Honeywell Security UK

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Certificate No: 042ce to EN 50131-3:2009, EN 50131-6:2017, EN 50131-10:2014 and EN 50136-2:2013

Alarm Systems - Intrusion and Hold-Up Systems

Product Name	Product Specification	Applied Standards	LPCB Ref. No.
Honeywell MAXPRO Control and Indicating Equipment (see certificate for full listing)	Security Grade 3 Equipment type - Fixed Environmental Class II	EN 50131-3: 2009 Including the related requirements of: EN 50131-1:2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	042ce/01
Ancillary Control Equipment MPIKTSMF – Touchscreen keypad/card reader (prox and MIFARE) MPIKTSPRX – Touchscreen keypad/card reader (prox)	Security Grade 3 Equipment type - Fixed Environmental Class II	EN 50131-3: 2009 Including the related requirements of: EN 50131-1:2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	042ce/01
Ancillary Control Equipment MPIWLTXAL - RF portal	Security Grade 2 Equipment type - Fixed Environmental Class II	EN 50131-3: 2009 EN 50131-5-3: 2017 Including the related requirements of: EN 50131-1:2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	042ce/01
Power Supply MPIP3000E - Alarm panel, integrated power supply MPIP2100E - Alarm panel, integrated power supply MPIP2000E - Alarm panel, integrated power supply MIPISU35 – Remote power supply (When fitted within MPIBXM35 enclosure)	Security Grade 3 PS Type A Equipment type - Fixed Environmental Class II	EN 50131-6: 2017 Including the related requirements of: EN 50131-1:2006 + A3: 2020 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	042ce/01
Supervised Premises Transceiver (see certificate for full listing)	ATS Category: Ethernet/4G Radio: DP4 Ethernet: SP5 4G Radio: SP3 SPT Classification: Type Z Equipment type - Fixed Environmental Class II	EN 50136-2: 2013 EN 50131-10: 2014 Including the related requirements of: EN 50136-1:2012 + A1: 2018 EN 50130-4: 2011 + A1: 2014 EN 50130-5: 2011	042ce/01

Note 1

In order to provide an EN 50136 compliant ATS, the SPT must be used in conjunction with a receiving centre transceiver (RCT) which complies with the requirements of EN 50136-3.

Note 2

The use of SIA DC-09 protocol unencrypted or encrypted will render the product non-compliant with the EN 50136 standards and invalidate the LPCB certification.

Note 3

Installing the system with one or more MPIKTSPRX or MPIKTSMF arming station keypads, without other peripherals connected to the IB2 bus, will render the product non-compliant with the EN50131 standards and invalidate the LPCB certification.

Pacom Systems Pty Ltd

Level 2, Eden Park Drive, Macquarie Park, NSW 2113, Australia

Tel: +61 (0)2 9889 5670

E-mail: info@pacom.com • Website: www.pacom.com

Certificate No: 1378a to EN 50131-3: 2009, EN 50131-6: 2017, EN 50131-10: 2014 and EN 50136-2: 2013

Alarm Systems - Intrusion and Hold-Up Systems

Product Name	Description	Security Grade	Applied Standards	LPCB Ref. No.
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INTRUSION AND HOLD-UP ALARM SYSTEM COMPONENTS

Pacom 8003	Control and Indicating Equipment	Security Grade 4 or Security Grade 3 depending on configurations (see certificate for options)	EN 50131-3: 2009	1378a/01
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KEY SAFES

Key safes listed in this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

Unless otherwise stated, the security rating attributed to each key safe relates to the key safes resistance to the following methods of attack:

- Forced entry into the key safe to remove a key stored within it.
- Unauthorised removal of the key safe from the supporting substrate.

It is recommended that the security ratings of the key safes used to store keys are at least equivalent to those of the products (e.g. doorsets) the keys operate. This is particularly important if the key safes are located in unprotected areas, for example, on the outside of properties. This is to ensure the key safe does not compromise the resistance to forced entry provided by the products that the keys operate.

Burton Security Limited

Units 20-28, Brockholes Business Park, Rock Mill Road, Brockholes, Holmfirth, HD9 7BN, United Kingdom

Tel: +44 (0)1484 663388

E-mail: enquiries@burtonsecurity.com • Website: www.burtonsafes.co.uk

Certificate No: 1000m to LPS 1175: Issue 8

Key Safe

Product Name	Type	Security Rating	LPCB Ref. No.
Keyguard Digital XL	Wall mounted key safe with twelve button combination	A5	1000m/01

Carrier Fire & Security B.V

Kelvinstraat 7, 6003 DH Weert, The Netherlands

Tel: +31 495 583000

E-mail: reception.weert@fs.utc.com

Europe, Middle East, Africa sales:

Onity SL, A Carrier Company, Pol Ind Lanbarren, C/Aranaburu 4D, 20180 - Oiartzun, Spain

Email: denis.kovalchuk@carrier.com

UK sales:

Supra UK Ltd t/a The Key Safe Company, Unit 4, Nunnery Park, Hornhill Road, Worcester, Worcestershire, WR4 0SX, United Kingdom

Email: sales@keysafe.co.uk

Certificate No: 1062d to LPS 1175: Issue 7

Key Safes

Product Name	Model	Part No.	Instructions	Security Rating	LPCB Ref. No.
TRAC-Vault BT SMART L	Wall mounted key safe operated by IrDA fob	002177	P/N10103266P1-01 (rev A) April 2014	2	1062d/01

Carrier Fire & Security B.V.

Kelvinstraat 7, 6003 DH, Weert, The Netherlands

Tel: +31 495 583000

E-mail: reception.weert@fs.utc.com

Europe, Middle East, Africa sales

Onity SL, A Carrier Company, Pol Ind Lanbarren, C/Aranaburu 4D, 20180 - Oiartzun, Spain

Email: denis.kovalchuk@carrier.com

UK sales

Supra UK Ltd T/A The Key Safe Company, Unit 4, Nunnery Park, Hornhill Road, Worcester, WR4 0SX, United Kingdom

Email: sales@keysafe.co.uk

Certificate No: 1062g to LPS 1175: Issue 8

25 Apr 2025

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KEY SAFES

Key Safes

Product Name	Model	Part No.	Installation Instructions	Security Rating	LPCB Ref. No.
Supra C500 Pro	Wall mounted key safe with twelve button combination	002049	P/N10102770P1-01 Revision M	A5	1062g/01

Europe, Middle East, Africa sales

Onity SL, A Carrier Company, Pol Ind Lanbarren, C/Aranaburu 4D, 20180 - Oiartzun, Spain

Email: denis.kovalchuk@carrier.com

UK sales

Supra UK Ltd T/A The Key Safe Company, Unit 4, Nunnery Park, Hornhill Road, Worcester, WR4 0S

Email: sales@keysafe.co.uk

Certificate No: 1062h to LPS 1175: Issue 8

Key Safes

Product Name	Model	Part No.	Installation Instructions	Security Rating	LPCB Ref. No.
Supra P500 Pro	Wall mounted key safe with twelve button combination	002045	P/N10102761P1-01 Revision G	A5	1062h/01

Sentrilock LLC

7701 Service Center Drive, West Chester, Cincinnati, OH 45069, USA

Tel: +1 513 618 5800

E-mail: sentrisales@sentrilock.com • Website: www.sentrilock.com

UK Sales Enquiries

Keynetics Ltd, Malvern Hills Science Park, Geraldine Road, Malvern, WR14 3SZ, United Kingdom

Email: sales@keyneticsltd.co.uk

Certificate No: 1096a to LPS 1175: Issue 7

Key Safe

Product Name	Model	Installation Instructions	Security Rating	LPCB Ref. No.
Bluetooth® Realtor Lockbox	Shackle mounted key safe accessed by digital keypad and smart card or compatible Bluetooth enabled device	Bluetooth® Realtor Lockbox Installation Manual - 20192	1	1096a/04

UK Sales Enquiries

Keynetics Ltd, Malvern Hills Science Park, Geraldine Road, Malvern, WR14 3SZ, United Kingdom

Email: sales@keyneticsltd.co.uk

Certificate No: 1096b to LPS 1175: Issue 8

Key Safe

Product Name	Model	Installation Instructions	Security Rating	LPCB Ref. No.
Bluetooth® BLE-WM Lockbox	Wall mounted key safe accessed by digital keypad and smart card or compatible Bluetooth enabled device	Sentrilock NXT-BLE Installation Manual - 2019 v3	A10, B3 (SR2), C1	1096b/01

UK Sales Enquiries

Keynetics Ltd, Malvern Hills Science Park, Geraldine Road, Malvern, WR14 3SZ, United Kingdom

Email: sales@keyneticsltd.co.uk

Certificate No: 1096c to LPS 1175: Issue 8

Key Safe

Product Name	Model	Installation Instructions	Security Rating	LPCB Ref. No.
Bluetooth® NXT-M Lockbox	Wall mouned key safe accessed by digital keypad and smart card or compatible Bluetooth enabled device	Sentrilock NXT-BLE Installation Manual - 2019 v3	A10, B3 (SR2) C1	1096c/01

UK Sales Enquiries

Keynetics Ltd, Malvern Hills Science Park, Geraldine Road, Malvern, WR14 3SZ, United Kingdom

Email: sales@keyneticsltd.co.uk

Certificate No: 1096d to LPS 1175: Issue 8

KEY SAFES

Key safe

Product Name	Configuration	Installation Instructions	Security Rating	LPCB Ref. No.
SentriGuard	Shackle mounted key safe accessed via digital keypad and compatible Bluetooth enabled device.	SentriGuard Installation Manual – 2024 v1	C1	1096d/01
SentriGuard	Shroud mounted key safe accessed via digital keypad and compatible Bluetooth enabled device.	SentriGuard Installation Manual – 2024 v1	C1	1096d/02
SentriGuard	Shroud mounted key safe accessed via digital keypad and compatible Bluetooth enabled device (Steel substrates only)	SentriGuard Installation Manual – 2024 v1	C1	1096d/03

Solon Security Limited

Unit 40 Manor Industrial Estate, Flint, Flintshire, CH6 5UY, United Kingdom

Tel: +44 (0) 1352 762266

E-mail: sales@solonsecurity.co.uk • Website: www.Solonsecurity.co.uk

Certificate No: 1680a to LPS 1175: Issue 8

Key Safe

Product Name	Type	Security Rating	LPCB Ref. No.
Defender Pro-TEC	Wall mounted key safe with twelve button combination	A1 (SR1)	1680a/01

Supra UK Ltd (t/a The Key Safe Company)

Unit 4, Nunnery Park, Hornhill Road, Worcester, Worcestershire, WR4 0SX, United Kingdom

Tel: +44 (0)1905 770333

E-mail: sales@keysafe.co.uk • Website: www.keysafe.co.uk

Certificate No: 1004a to LPS 1175: Issue 8

Key Safes

Product Name	Configuration	Security Rating	LPCB Ref. No.
Tamo Pro	Wall mounted key safe with ten button combination	A10 and B1	1004a/01

Certificate No: 1004b to LPS 1175: Issue 8

Key Safe

Product Name	Configuration	Security Rating	LPCB Ref. No.
Tamo	Wall mounted key safe with ten button combination	A10	1004b/01

LOUVRE VENTS

Louvre vents listed within this section are certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, stongpoints, security enclosures and free-standing barriers*.

Unless otherwise stated, the certification relate to the louvre vents resistance to the creation of a hole large enough for a person to pass through, as indicated by the 225 mm by 400 mm elliptical test block defined in LPS 1175.

It is recommended specifiers select louvres rated to resist the creation of smaller holes if the louvres are to be used within the close proximity of equipment that needs to be protected from tampering/removal, or lock operating hardware that does not require a key (e.g. thumbturns, lever handles, push pads or panic bars).

For guidance, the test blocks used are:

Type	Test Block	Notes
Local penetration	8 mm (+3 mm/-0 mm) by 25 mm (+3 mm/-0 mm) rectangular section	Represents the louvre panel's likely resistance to creation of a hole through which a piece of wire, screwdriver, lever or other such device can be passed. Such an attack may be attempted by an intruder wishing to operate a panic bar, emergency lever handle or other non-deadlocked device capable of releasing the boltwork on the item in which the louvre panel is mounted or on an item directly adjacent to that in which the louvre panel is mounted.
Hand hole	60 mm (+3 mm/-0 mm) diameter	Represents the louvre panel's likely resistance to creation of a hand hole. Such an attack may be attempted by an intruder wishing to: <ul style="list-style-type: none"> Operate a thumbturn to release the boltwork on the item in which the louvre panel is mounted or on an item directly adjacent to that in which the louvre panel is mounted. Retrieve an item from the protected side of the louvre panel eg an item on display behind a shop window, a set of door keys or a set or car keys.
Complete access	Elliptical section of 400 mm (+3 mm/-0 mm) major axis by 225 mm (+3 mm/-0 mm) minor axis	Represents the louvre panel's resistance to creation of a hole through which an elliptical test block measuring 400 mm by 225 mm may be passed. This replicates the size a person may be able to pass through and reflects the test block defined in LPS 1175.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruder's likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LOUVRE VENTS

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the product's intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

• Access covers	• Garage doorsets	• Security screens
• Cladding systems	• Hinged doorsets	• Sheds and tool stores
• Containers	• Grilles	• Skylights
• Curtain walling systems	• Modular buildings	• Sliding doorsets
• Enclosures	• Partitioning systems	• Strongpoints
• Entrance portals	• Revolving doorsets	• Vehicles
• Fences and gates	• Roofing systems	• Walling systems
• Folding doorsets	• Security cabinets	• Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Bastion Security Products Limited

Armstrong Works, Scotswood Road, Newcastle-upon-Tyne, NE15 6UX, United Kingdom

Tel: +44 (0)191 280 5800

E-mail: moreinfo@bastionprotects.com • Website: www.bastionprotects.com

Certificate No: 1046c to LPS 1175: Issue 7

Louvre Vents

Product Name	Type	Minimum Structural Opening Height1 (m)	Maximum Structural Opening Height1 (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
BastionGrille	Louvre vent	0.2	0.6	0.2	0.6	4	1046c/01

PSF Wales Limited

Llys Rhiannon, Cil Yr Ychen Industrial Estate, Landeilo Road, Llandybie, Ammanford, Carmarthenshire, SA18 3GY, United Kingdom

Tel: +44 (0)1269 851777

E-mail: sales@psfwales.co.uk • Website: www.psfwales.co.uk

Certificate No: 953e to LPS 1175: Issue 7

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules SAF 3 Louvre	Steel security louvre vent	0.2	Unlimited	0.2	Unlimited	3	953e/01

LOUVRE VENTS

Certificate No: 953q to LPS 1175: Issue 8

Louvre Vent

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules SAF 4	Steel security louvre vent	0.2	Unlimited	0.2	Unlimited	D10 (SR4)	953q/01

Stafford Bridge Doors Limited

Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Tel: +44 (0)1234 826316

E-mail: sales@staffordbridge.com • Website: www.staffordbridge.com

Certificate No: 516h to LPS 1175: Issue 8

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Blackwatch	Steel security louvre vent	0.35	2.5	0.35	1.15	D10 (SR4)	516h/01

Sunray Engineering Limited

Kingsnorth Industrial Estate, Wotton Road, Ashford, Kent, TN23 6LL, United Kingdom

Tel: +44 (0)1233 639039

E-mail: sales@sunraydoors.co.uk • Website: www.sunraydoors.co.uk

Certificate No: 234g to LPS 1175: Issue 7

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m) ¹	Maximum Structural Opening Height (m) ¹	Minimum Structural Opening Width (m) ¹	Maximum Structural Opening Width (m) ¹	Security Rating	LPCB Ref. No.
ExcluLouvre® 2	Fixed louvre panel system	0.415	5.0	0.315	Unlimited	2	234g/01
ExcluLouvre® 3	Fixed louvre panel system	0.415	5.0	0.315	Unlimited	3	234g/02

Surelock McGill Limited

25/26 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2QY, United Kingdom

Tel: +44 (0)1189 772 525

E-mail: sales@surelock.co.uk • Website: www.surelock.co.uk

Certificate No: 516-1a to LPS 1175: Issue 7

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Max Air XA6	Steel security louvre vent	0.125	7.5	0.125	7.5	6	516-1a/06

Certificate No: 516-1b to LPS 1175: Issue 8

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Max Air XA1	Steel security louvre vent	0.125	7.5	0.125	7.5	A1 (SR1)	516-1b/01
Max Air XA2	Steel security louvre vent	0.125	7.5	0.125	7.5	B3 (SR2)	516-1b/02
Max Air XA3	Steel security louvre vent	0.125	7.5	0.125	7.5	C5 (SR3)	516-1b/03

LOUVRE VENTS

Max Air XA4	Steel security louvre vent	0.125	7.5	0.125	7.5	D10 (SR4)	516- 1b/04
Max Air XA5	Steel security louvre vent	0.125	7.5	0.125	7.5	E10 (SR5)	516- 1b/05

Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys, SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511

E-mail: techadvice@technocover.co.uk • Website: www.technocover.co.uk

Certificate No: 450ab to LPS 1175: Issue 8

Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
LV/SEN4	Internal or external face fixed louvre vent	0.325	0.92	0.325	1.37	D10 (SR4)	450ab/01
LV/SEN4	Reveal fixed louvre vent	0.325	0.965	0.325	1.415	D10 (SR4)	450ab/01
LV/SEN4	Modular internal or external face fixed louvre vent	0.325	Unlimited	0.325	Unlimited	D10 (SR4)	450ab/01
LV/SEN4	Modular reveal fixed louvre vent	0.325	Unlimited	0.325	Unlimited	D10 (SR4)	450ab/01

Certificate No: 450ai to LPS 1175: Issue 8

Louvre Vents

Product Name	Type	Minimum Louvre Module Height (m)	Maximum Louvre Module Height (m)	Minimum Louvre Module Width (m)	Maximum Louvre Module Width (m)	Security Rating	LPCB Ref. No.
Ultrasecure Louvre Vent	Modular louvre vent system	0.2	1.0	0.6	1.2	E10 (SR5)	450ai/01

PADLOCKS AND PADLOCK FITTINGS

This section lists padlocks and padlock fittings that have been certified to one or more of the following standards:

- LPS 1654: Issue 1 *Requirements and testing procedures for the LPCB approval and listing of padlocks.*
- EN 12320 *Building hardware - Padlocks and padlock fittings - Requirements and test methods.*

LPS 1654 was developed because it was considered the method for classifying the attack resistance of padlocks specified within the current European standard (EN 12320) was incompatible with that employed within LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.* This was because:

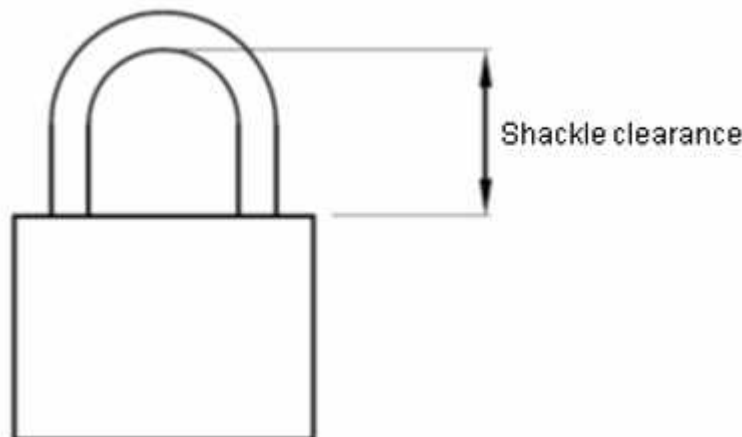
- The manual attack tests defined in EN 12320 did not take into consideration the wide range of tools and attack techniques available to an attacker.
- The tools, attack techniques and available working time defined in EN 12320 did not correspond with the security rating classification system defined in LPS 1175.

The security ratings defined in LPS 1654 are loosely based upon domestic risks (security ratings 1 and 2), commercial risks (security ratings 2, 3 and 4), high security risks (security ratings 5 and 6) and extremely high security facilities (security ratings 7 and 8).

When selecting padlocks, it is important to consider whether the hasp and staple, padbar or other device to which the padlock is fitted offers comparable resistance to manual attack.

The following definitions are used in this section:

- Padlock with closed shackle - A padlock with shoulders on the top of the body that partially protect the shackle.
- Padlock with open shackle - A padlock with no shoulders on the body, as illustrated in the figure below.
- Shackle clearance - The distance between the top of the padlock body and the underside of the shackle, as illustrated in the figure below.



ABUS (UK) Limited

Unit 30, Portishead Business Park, Old Mill Road, Portishead, Bristol, BS20 7BX, United Kingdom

Tel: +44 (0)117 204 7000

E-mail: info@abus-uk.com • Website: www.abus.com

Certificate No: 1758a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Shackle Clearance (mm)	Compatible Cylinders	Security Rating	LPCB Ref. No.
83/60-0 Rock	Padlock with open shackle	37.0	A and B	2	1758a/01
83/80 Rock	Padlock with open shackle	40.0	A and B	3	1758a/02
93/RK/110 Rock	'C' shaped padlock with closed shackle	21.5	A and B	3	1758a/03
83/60-5 Rock	Padlock with open shackle	38	A and B	2	1758a/04
83/70 Rock	Padlock with open shackle	38.5	A and B	3	1758a/05
83CS/70 Rock	Padlock with closed shackle	32	A and B	3	1758a/06

PADLOCKS AND PADLOCK FITTINGS

Assa Abloy Limited T/A Abloy UK

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Tel: +44 (0)1902 364500

E-mail: Steve.wintle@abloy.co.uk • Website: www.abloy.co.uk

Certificate No: 1245a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Shackle Clearance (mm)	Security Rating	LPCB Ref. No.
Abloy PL340/25	Padlock with open shackle	25	2+	1245a/01
Abloy PL342	Padlock with closed shackle	25	2+	1245a/02
Abloy PL350/25	Padlock with open shackle	25	3+	1245a/03
Abloy PL362	Padlock with closed shackle	25	3+	1245a/04
Abloy PL601	Padlock with open shackle	20	2+	1245a/05
Abloy PL645	Padlock with shackle protector	22	3+	1245a/06
Abloy PL654	Padlock with shackle protector	22	3+	1245a/07
Abloy PL660 ²	Padlock with closed shackle and hasp and staple	25	4+	1245a/08
Abloy PL662	Padlock with closed shackle	25	3+	1245a/09
Abloy PLLW340/25	Padlock with open shackle	25	2+	1245a/10
Abloy PLLW350/25	Padlock with open shackle	25	3+	1245a/11
Abloy PLLW362	Padlock with closed shackle	25	3+	1245a/12
Abloy PLLW639	Padlock with open shackle	25	3+	1245a/13
Abloy PLI340/25	Padlock with open shackle	25	2+	1245a/14
Abloy PLM340/25	Padlock with open shackle	25	2+	1245a/15
Abloy PLI350/25	Padlock with open shackle	25	3+	1245a/16
Abloy PLM350/25	Padlock with open shackle	25	3+	1245a/17
Abloy PL330/25	Padlock with open shackle	25	1+	1245a/18

Henry Squire & Sons Limited

Unit 2, Hilton Cross Business Park, Cannock Road, Featherstone, Wolverhampton, WV10 7QZ, United Kingdom

Tel: +44 (0)1902 308052

E-mail: info@henry-squire.co.uk • Website: www.squirelocks.co.uk

Certificate No: 1179a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Shackle Clearance (mm)	Compatible Cylinders	Security Rating	LPCB Ref. No.
SS50S	Padlock with open shackle	26.0	A	2	1179a/01
SS50S Inigma	Padlock with open shackle	26.0	B	2	1179a/01
SS50CS	Padlock with closed shackle	16.0	A	2	1179a/01
SS50CS Inigma	Padlock with closed shackle	16.0	B	2	1179a/01
SS65S LEV3	Padlock with open shackle	29.0	A	3	1179a/02
SS65S LEV3 Inigma	Padlock with open shackle	29.0	B	3	1179a/02
SS65CS LEV3	Padlock with closed shackle	19.0	A	3	1179a/02
SS65CS LEV3 Inigma	Padlock with closed shackle	19.0	B	3	1179a/02
SS80S	Padlock with open shackle	34.5	A	3	1179a/03
SS80NW4	Padlock with open shackle	34.5	C	3	1179a/03
SS80CS	Padlock with closed shackle	22.5	A	3	1179a/03
SS80CNW4	Padlock with closed shackle	22.5	C	3	1179a/03
SS100S	Padlock with open shackle	48.0	A	4	1179a/04
SS100CS	Padlock with closed shackle	28.0	A	4	1179a/04
SS80S Inigma	Padlock with open shackle	34.5	B	3	1179a/03
SS80CS Inigma	Padlock with closed shackle	22.5	B	3	1179a/03
SS100S Inigma	Padlock with open shackle	48.0	B	4	1179a/04
SS100NW4	Padlock with open shackle	48.0	C	4	1179a/04
SS100CS Inigma	Padlock with closed shackle	28.0	B	4	1179a/04
SS100CNW4	Padlock with closed shackle	28.0	C	4	1179a/04
SS100C LEV5	Padlock with closed shackle	28	D	5	1179a/05

Certificate No: 1179b to LPS 1654: Issue 1

Padbar

Product Name	Type	Compatible Padlock	Security Rating	LPCB Ref. No.
STH100c	Padbar	SS100cs Padlock detailed on Certificate 1179a	4	1179b/01

PADLOCKS AND PADLOCK FITTINGS

iLOQ Oy

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Certificate No: 1720a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Shackle Clearance (mm)	Security Rating	LPCB Ref. No.
H50S.331.15.HC	Padlock with open shackle	15	1	1720a/01
H50S.331.25.HC	Padlock with open shackle	25	1	1720a/01
H50S.331.25C.HC	Padlock with open shackle	25	1	1720a/01
H50S.331.60.HC	Padlock with open shackle	60	1	1720a/01
H50S.331.60C.HC	Padlock with open shackle	60	1	1720a/01
H50S.331.110.HC	Padlock with open shackle	110	1	1720a/01
H50S.331.110C.HC	Padlock with open shackle	110	1	1720a/01
H50S.341.15.HC	Padlock with open shackle	15	1	1720a/01
H50S.341.25.HC	Padlock with open shackle	25	1	1720a/01
H50S.341.25C.HC	Padlock with open shackle	25	1	1720a/01
H50S.341.60.HC	Padlock with open shackle	60	1	1720a/01
H50S.341.60C.HC	Padlock with open shackle	60	1	1720a/01
H50S.341.110.HC	Padlock with open shackle	110	1	1720a/01
H50S.341.110C.HC	Padlock with open shackle	110	1	1720a/01
H50S.431.28.HC	Padlock with open shackle	28	2	1720a/02
H50S.431.28C.HC	Padlock with open shackle	28	2	1720a/02
H50S.431.50.HC	Padlock with open shackle	50	2	1720a/02
H50S.431.50C.HC	Padlock with open shackle	50	2	1720a/02
H50S.441.28.HC	Padlock with open shackle	28	2	1720a/02
H50S.441.28C.HC	Padlock with open shackle	28	2	1720a/02
H50S.441.50.HC	Padlock with open shackle	50	2	1720a/02
H50S.441.50C.HC	Padlock with open shackle	50	2	1720a/02
H50S.531.27.HCA	Padlock with open shackle	27	3	1720a/03
H50S.531.27C.HCA	Padlock with open shackle	27	3	1720a/03
H50S.531.50.HCA	Padlock with open shackle	50	3	1720a/03
H50S.531.50C.HCA	Padlock with open shackle	50	3	1720a/03
H50S.541.27.HCA	Padlock with open shackle	27	3	1720a/03
H50S.541.27C.HCA	Padlock with open shackle	27	3	1720a/03
H50S.541.50.HCA	Padlock with open shackle	50	3	1720a/03
H50S.541.50C.HCA	Padlock with open shackle	50	3	1720a/03

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Certificate No: 1441a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Security Rating	LPCB Ref. No.
ISEO-Locken P3SA160504M	Padlock with retained shackle	2	1441a/01
ISEO-Locken P3SA160504MEX	Padlock with retained shackle	2	1441a/02
ISEO-Locken P3SA180274M	Padlock with retained shackle	3	1441a/03

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Certificate No: 1452a to LPS 1654: Issue 1

Padlocks

Product Name	Type	Compatible Cylinders	Security Rating	LPCB Ref. No.
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PADLOCKS AND PADLOCK FITTINGS

P6062	Padlock with retained shackle	A to F	2	1452a/01
P8065	Padlock with retained or removable shackle	A to E	3	1452a/02
P8093	Padlock with retained or removable shackle	G to I	3	1452a/03

ROOFLIGHTS

Rooflights listed in this section are certified to one of the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*

LPCB has also published a standard for glazing and security glazing films which employs the principles contained within LPS 1175. LPS 1270 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units* covers the resistance to manual attack of the glazing material. It enables specifiers to select new or replacement glazing that affords levels of security equivalent to that of the frame or façade in which it is to be employed.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

ROOFLIGHTS

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 2081

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Suitability

Products approved to LPS 2081 should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to LPS 1175. Likewise, specifications should reference LPS 1175 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

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Certificate No: 1409a to LPS 2081: Issue 1

Fixed and Opening Rooflights

Product Name	Type	Minimum Length1 (m)	Maximum Length1 (m)	Minimum Width1 (m)	Maximum Width1 (m)	Security Rating	LPCB Ref. No.
Part Q	Pyramid capless rooflight	0.7	2.0	0.7	2.0	A	1409a/01
Part Q	Lantern capless rooflight	0.7	5.8	0.7	2.0	A	1409a/01
Part Q	Pyramid capped rooflight	0.7	2.0	0.7	2.0	A	1409a/01
Part Q	Lantern capped rooflight	1.1	5.8	0.7	2.0	A	1409a/01
Part Q	Square or rectangular fixed rooflight	0.325	3.0	0.325	2.4	A	1409a/01
Part Q	Circular fixed rooflight	N/A	N/A	1.0	2.0	A	1409a/01
Part Q	Hinged rooflight	0.7	1.0	0.7	2.0	A	1409a/01
Part Q	Sliding rooflight	0.9	2.0	0.7	2.0	A	1409a/01
Part Q	Square or rectangular walk on rooflight	0.325	2.0	0.325	1.0	A	1409a/01
Part Q+	Pyramid capped rooflight	0.7	2.0	0.7	2.0	B	1409a/07
Part Q+	Lantern capped rooflight	1.1	5.8	0.7	2.0	B	1409a/07
Part Q+	Individual rectangular fixed rooflight	0.325	3.0	0.325	2.4	B	1409a/07
Part Q+	Individual circular fixed rooflight	N/A	N/A	1.0	2.0	B	1409a/07
Part Q+	Sliding rooflight	0.9	2.0	0.7	2.0	B	1409a/07
Part Q+	Square or rectangular walk on rooflight	0.325	2.0	0.325	1.0	B	1409a/07

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Certificate No: 1347a to LPS 2081: Issue 1

Fixed and Hinged Rooflights

Product Name	Type	Minimum Length1 (m)	Maximum Length1 (m)	Minimum Width1 (m)	Maximum Width1 (m)	Security Rating	LPCB Ref. No.
Flushglaze Secure	Individual rectangular fixed rooflights	0.475	4.24	0.475	4.24	A	1347a/01
Flushglaze Secure	Individual square fixed rooflight	0.475	2.0	0.475	2.0	A	1347a/01

ROOFLIGHTS

Flushglaze Secure	Rooflight formed from multiple units	0.4	Unlimited	0.8	Unlimited	A	1347a/01
Flushglaze Secure+	Individual rectangular fixed rooflights	0.475	4.24	0.475	4.24	B	1347a/02
Flushglaze Secure+	Individual square fixed rooflight	0.475	2.0	0.475	2.0	B	1347a/02
Flushglaze Secure+	Rooflight formed from multiple units	0.4	Unlimited	0.8	Unlimited	B	1347a/02
VisionVent Secure	Electromechanical hinged rooflight	0.81	2.410	0.845	2.410	A	1347a/03
VisionVent Secure+	Electromechanical hinged rooflight	0.81	2.410	0.845	2.410	B	1347a/04
Flushglaze Secure	Individual circular fixed rooflight	N/A	N/A	0.8	1.686	A	1347a/01
Flushglaze Secure	Walk on fixed rooflight formed from individual or multiple units	0.45	Unlimited	0.4	Unlimited	A	1347a/01
Octagonal Pyramid Secure	Individual octagonal fixed pyramid rooflight	N/A	N/A	0.8	2.0	A	1347a/05
Skydoor Secure	Electromechanical hinged rooflight	1.0	2.17	1.3	3.87	A	1347a/06
Skyhatch Secure	Manually operated hinged rooflight	1.1	1.1	1.1	2.0	A	1347a/08
Skyhatch Secure	Electromechanical hinged rooflight	0.9	1.5	0.9	2.0	A	1347a/08
Sliding Over Fixed Secure	Electromechanical sliding rooflight	1.3	3.112	1.5	512	A	1347a/09
Sliding Over Roof Secure	Electromechanical sliding rooflight	1.3	3.113	0.75	3.6913	A	1347a/10
Standard Box Secure	Free-standing box rooflight	1.1	2.4	1.5	4.2	A	1347a/11
Standard Box Secure	Three-wall box rooflight	1.1	2.4	1.5	4.2	A	1347a/11
Standard Pyramid Secure	Individual square fixed pyramid rooflight	0.6	1.5	0.6	1.5	A	1347a/12
Standard Pyramid Secure	Individual elongated fixed pyramid rooflight	0.6	1.5	0.65	2.5	A	1347a/12
VisionVent Secure	Manually operated hinged rooflight (Solo manual)	0.415	2.36511	0.415	2.36511	A	1347a/03
VisionVent Secure	Electromechanical chain-actuated hinged rooflight	1.0	1.0	1.0	2.2	A	1347a/03
VisionVent Secure	Manually operated hinged rooflight (Maintenance access hatch)	0.9	1.5	0.9	1.2	A	1347a/03
X-Vent Secure	Electromechanical hinged rooflight	1.4	1.4	1.4	1.9	A	1347a/13
Flushglaze Secure+	Individual circular fixed rooflight	N/A	N/A	0.8	1.686	B	1347a/02
Flushglaze Secure+	Walk on fixed rooflight formed from individual or multiple units	0.45	Unlimited	0.4	Unlimited	B	1347a/02
Skydoor Secure+	Electromechanical hinged rooflight	1.0	2.17	1.3	3.87	B	1347a/14
Skyhatch Secure+	Manually operated hinged rooflight	1.1	1.1	1.1	2.0	B	1347a/15
Skyhatch Secure+	Electromechanical hinged rooflight	0.9	1.5	0.9	2.0	B	1347a/15
VisionVent Secure+	Manually operated hinged rooflight (Maintenance access hatch)	0.9	1.5	0.9	1.2	B	1347a/04
X-Vent Secure+	Electromechanical hinged rooflight	1.4	1.4	1.4	1.9	B	1347a/16

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Certificate No: 929b to LPS 1175: Issue 7

Fixed Rooflights

Product Name	Type	Minimum Length (m)	Maximum Length (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Plateau Secured by Design: Level 2	Fixed rooflight	0.96	1.76	0.96	2.76	2	929b/01
Plateau Secured by Design: Level 3	Fixed rooflight with integral security bars	0.96	0.96	0.96	2.76	3	929b/02

This section lists safes that have been designed for the secure storage of cash and valuables, but which may also be used to secure other high risk assets, including secure information.

The safes listed are graded according to their resistance to manual intervention attack tests. These are undertaken by experienced laboratory test engineers using tools carefully selected to achieve access to the contents of the safe using the minimum time and resistance units possible.

Commercial safes and strongrooms are either graded in accordance with LPS 1183 Requirements and testing procedures for the LPCB approval and listing of safe storage units - Part 1: Safes and strongrooms or EN 1143-1 Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part1: Safes, strongroom doors and strongrooms.

Deposit safes are graded in accordance with EN 1143-2 Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part 2: Deposit systems.

Specifiers should also consider ensuring safes used for cash recycling (either automated or manual) are approved to:

- EN 1143-1 to ensure any automated cash issuing devices do not undermine the safes resistance to forced entry attacks.
- EN 1143-2 to ensure the safe itself and depository systems resist forced entry and fishing/trapping attacks respectively.

Copies of LPS 1183 can be downloaded free of charge from www.redbooklive.com while copies of EN 1143-1 and EN 1143-2 can generally be purchased through national standards bodies and other stockists.

Cash and Jewellery Ratings

Table 1 indicates typical cash and jewellery ratings attributed to safes according to their certified resistance grade. These ratings should only be used as a guide since each insurer defines their own ratings depending on the performance of the safes and the situation in which the safes are to be used. Specifiers are strongly advised to discuss the issue of cash and jewellery ratings with their insurer prior to selecting a safe.

Table 1: Typical Cash and Jewellery Ratings for Safes

Standard	Resistance grade	Typical overnight cash rating (£k)	Typical overnight jewellery rating (£k)
LPS 1183 and EN 1143-1	0	6	60
	I	10	100
	II	17.5	175
	III	35	350
	IV	60	600
	V	100	1000
	VI	150	1500
	VII to XIII	-	-

Explosion (EX) Designation

This optional designation is only applicable to safes achieving grades II and above. This designation indicates a product offers resistance to detonation of a PETN (Pentaerythritol tetranitrate) explosive charge followed by post detonation tool attacks aimed at achieving entry to the safe. Where the use of explosive charges is perceived to be a threat it is recommended products with this designation are selected.

Core Drill (CD) Designation

This optional designation is only applicable to safes achieving grades IV and above to EN 1143-1. This designation reflects the ability of a product to pass the diamond drill test specified within EN 1143-1, which is designed to demonstrate the products superior resistance to methods of forced entry that solely involve the use of diamond core drills.

Compatible Locks

Although EN 1143 defines the minimum grade each high security lock must meet in accordance with EN 1300, fitting an alternative lock of the grade noted does not guarantee the safe will continue to deliver the resistance to forced entry indicated by resistance grade attributed to it in accordance with EN 1143-1. Differences in each locks construction and operation can affect their resistance to manual attack when fitted to a safe as well as their interaction with its boltwork. BRE therefore assess the compatibility of each lock a manufacturer wishes to offer as an option on their certified safes. This is to ensure they:

- Meet the relevant minimum EN 1300 grade defined in EN 1143.
- Have been demonstrated to support the safes ability to deliver resistance to forced entry attempts commensurate with that required to achieve the resistance grade to which it is certified.

Locks confirmed to be fully compatible are listed in the compatible lock table provided on the corresponding certificate issued for each safe. Those certificates can be viewed and downloaded from www.redbooklive.com. Failure to use the locks listed will invalidate the safes certification and may compromise its ability to deliver resistance to forced entry commensurate with the attributed resistance grade.

Installation and maintenance

Safes must be installed in accordance with the manufacturers instructions

All exposed fixings, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.

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Certificate No: 1636a to LPS 1183: Issue 3

Free-standing Safes

Product Name	Size References	Security Grade	Fire Resistance toBS 476: Part 20: 1987	LPCB Ref. No.
Community	1414 (39) ED (58), 1814 (50) ED (74), 2316 (103) ED (138), 2916 (130) ED (174), 3520 (230) ED (297), 5020 (328) ED (424), 6020 (393) ED (509), Mini-Vault (702) ED (910)	I	60	1636a/01
Community	1814 (50) ED (74), 2316 (103) ED (138), 2916 (130) ED (174), 3520 (230) ED (297), 5020 (328) ED (424), 6020 (393) ED (509), Mini-vault (702) ED (910)	II	60	1636a/02
Community	1814 (50) ED (74), 2316 (103) ED (138), 2916 (130) ED (174), 3520 (230) ED (297), 5020 (328) ED (424), 6020 (393) ED (509), Mini-vault (702) ED (910)	III	60	1636a/03
Community	60 50 40 (120) ED (165), 90 50 40 (180) ED (247), 90 40 47.5 (171), 92 42 48.5 (187.4), 120 50 40 (240) ED (330), 120 40 47.5 (228), 122 42 48.5 (248.5), 150 50 40 (300) ED (412)	IV	-	1636a/04

Certificate No: 1636b to LPS 1183: Issue 4

Free-standing Safes

Product Name	Size References	Security Grade	Fire Resistance toBS 476:Part 20: 1987	LPCB Ref. No.
Community	1414 (39) ED (58) 1814 (50) ED (74) 2316 (103) ED (138) 2916 (130) ED (174) 3520 (230) ED (297) 5020 (328) ED (424)	0	60	1636b/01
Community	60 50 40 (120) ED (165) 90 50 40 (180) ED (247) 120 50 40 (240) ED (330) 150 50 40 (300) ED (412)	V	-	1636b/02

Certificate No: 1636e to BS EN 1143-1: 2019

Free-standing Safes

Product Name	Model	External Width (mm)	External Height (mm)	External Depth (mm)	Approx Weight (mm)	Security Grade	LPCB Ref. No.
Community Grade 0 MK4	1412	405	456	435	70	0 T2	1636e/01
Community Grade 0 MK4	1414	456	456	435	77	0 T2	1636e/01
Community Grade 0 MK4	1513	430	481	430	76	0 T2	1636e/01
Community Grade 0 MK4	1812	405	557	435	82	0 T2	1636e/01
Community Grade 0 MK4	1814	456	557	435	88	0 T2	1636e/01
Community Grade 0 MK4	2013	430	608	430	85	0 T2	1636e/01
Community Grade 0 MK4	2316	506	684	555	123	0 T2	1636e/01
Community Grade 0 MK4	2320	608	684	645	154	0 T2	1636e/01
Community Grade 0 MK4	2517	532	735	555	137	0 T2	1636e/01
Community Grade 0 MK4	2916	506	837	555	142	0 T2	1636e/01
Community Grade 0 MK4	3018	557	862	595	160	0 T2	1636e/01
Community Grade 0 MK4	3520	608	989	645	203	0 T2	1636e/01
Community Grade 0 MK4	5020	608	1370	645	268	0 T2	1636e/01
Community Grade 1	1412	405	456	435	147	I T2	1636e/02
Community Grade 1	1414	456	456	435	153	I T2	1636e/02
Community Grade 1	1513	430	481	430	161	I T2	1636e/02

SAFES

Community Grade 1	1812	405	557	435	171	I T2	1636e/02
Community Grade 1	1814	456	557	435	180	I T2	1636e/02
Community Grade 1	2013	430	608	430	183	I T2	1636e/02
Community Grade 1	2316	506	684	555	266	I T2	1636e/02
Community Grade 1	2320	608	684	645	336	I T2	1636e/02
Community Grade 1	2517	532	735	555	289	I T2	1636e/02
Community Grade 1	2916	506	837	555	310	I T2	1636e/02
Community Grade 1	3018	557	862	595	347	I T2	1636e/02
Community Grade 1	3520	608	989	645	439	I T2	1636e/02
Community Grade 1	5020	608	1370	645	571	I T2	1636e/02
Community Grade 2	1412	445	496	506	237	II T2	1636e/03
Community Grade 2	1812	445	597	506	277	II T2	1636e/03
Community Grade 2	2316	546	724	633	374	II T2	1636e/03
Community Grade 2	2916	546	877	633	438	II T2	1636e/03
Community Grade 2	3520	648	1029	723	595	II T2	1636e/03
Community Grade 2	5020	648	1410	723	770	II T2	1636e/03
Community Grade 2	6020	648	1664	723	898	II T2	1636e/03
Community Grade 2	6327¾	843	1740	723	1067	II T2	1636e/03
Community Grade 3	1412	445	496	506	251	III T2	1636e/04
Community Grade 3	1812	445	597	506	289	III T2	1636e/04
Community Grade 3	2316	546	724	633	400	III T2	1636e/04
Community Grade 3	2916	546	877	633	468	III T2	1636e/04
Community Grade 3	3520	648	1029	723	637	III T2	1636e/04
Community Grade 3	5020	648	1410	723	825	III T2	1636e/04
Community Grade 3	6020	648	1664	723	961	III T2	1636e/04
Community Grade 3	6327¾	843	1740	723	1144	III T2	1636e/04
Community Grade VI	1814	534	635	520	105	VI T2	1636e/05
Community Grade VI	2316	584	762	647	151	VI T2	1636e/05
Community Grade VI	2916	584	915	647	175	VI T2	1636e/05
Community Grade VI	3520	686	1067	723	277	VI T2	1636e/05
Community Grade VI	5020	686	1448	723	354	VI T2	1636e/05
Community Grade VI	6020	686	1702	723	403	VI T2	1636e/05

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Certificate No: 304c to BS EN 1143-1:2012 and LPS 1183: Issue 4

Free-standing Safes

Product Name	Size Reference	External Height (mm)	External Width (mm)	External Depth (mm)	Security Grade	LPCB Ref. No.
Europa 0 MK3	0	400	415	365	0	304c/03
Europa 0 MK3	1	455	415	423	0	304c/03
Europa 0 MK3	2	560	415	423	0	304c/03
Europa 0 MK3	2.5	560	500	510	0	304c/03
Europa 0 MK3	3	684	519	550	0	304c/03
Europa 0 MK3	4	840	608	550	0	304c/03
Europa 0 MK3	5	989	608	657	0	304c/03
Europa 0 MK3	6	1370	608	657	0	304c/03
Europa 1 MK3	0	400	415	365	I	304c/04
Europa 1 MK3	1	455	415	423	I	304c/04
Europa 1 MK3	2	560	415	423	I	304c/04
Europa 1 MK3	2.5	560	500	510	I	304c/04
Europa 1 MK3	3	684	519	550	I	304c/04
Europa 1 MK3	4	840	608	550	I	304c/04
Europa 1 MK3	5	989	608	657	I	304c/04
Europa 1 MK3	6	1370	608	657	I	304c/04
Europa 4	1	746	657	672	IV	304c/01
Europa 4	2	988	657	672	IV	304c/01
Europa 4	3	1228	657	672	IV	304c/01
Europa 4	4	1228	700	779	IV	304c/01
Europa 4	5	1563	700	779	IV	304c/01
Europa 4	6	1838	700	779	IV	304c/01
Europa 5	1	746	657	672	V	304c/02
Europa 5	2	988	657	672	V	304c/02
Europa 5	3	1228	657	672	V	304c/02
Europa 5	4	1228	700	779	V	304c/02
Europa 5	5	1563	700	779	V	304c/02

SAFES

Europa 5

6

1838

700

779

V

304c/02

Certificate No: 304d to BS EN 1143-1:2019 and LPS 1183: Issue 4**Free-Standing Safes**

Product Name	Size Reference	External Height (mm)	External Width (mm)	External Depth (mm)	Security Grade - BS EN 1143-1:2019	Security Grade - LPS 1183: Issue 4	LPCB Ref. No.
Europa 2 MK3	1	487	487	466	II T2	II	304d/01
Europa 2 MK3	2	615	437	466	II T2	II	304d/01
Europa 2 MK3	2.5	592	532	563	II T2	II	304d/01
Europa 2 MK3	3	716	551	605	II T2	II	304d/01
Europa 2 MK3	4	818	564	617	II T2	II	304d/01
Europa 2 MK3	4.5	872	640	712	II T2	II	304d/01
Europa 2 MK3	5	1021	640	712	II T2	II	304d/01
Europa 2 MK3	6	1402	640	712	II T2	II	304d/01
Europa 2 MK3	7	1656	640	712	II T2	II	304d/01
Europa 3 MK3	1	487	487	466	III T2	III	304d/02
Europa 3 MK3	2	615	437	466	III T2	III	304d/02
Europa 3 MK3	2.5	592	532	563	III T2	III	304d/02
Europa 3 MK3	3	716	551	605	III T2	III	304d/02
Europa 3 MK3	4	818	564	617	III T2	III	304d/02
Europa 3 MK3	4.5	872	640	712	III T2	III	304d/02
Europa 3 MK3	5	1021	640	712	III T2	III	304d/02
Europa 3 MK3	6	1402	640	712	III T2	III	304d/02
Europa 3 MK3	7	1656	640	712	III T2	III	304d/02

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Certificate No: 954b to BS EN 1143-1: 2012 and LPS 1183: Issue 4**Free-standing Safes**

Product Name	Size Ref.	External Height (mm)	External Width (mm)	External Depth (mm)	Security Grade	LPCB Ref. No.
Euro Cash Grade 3	T14	485	485	498	III	954b/01
Euro Cash Grade 3	T19	615	435	498	III	954b/01
Euro Cash Grade 3	T23	715	550	648	III	954b/01
Euro Cash Grade 3	T28	830	580	673	III	954b/01
Euro Cash Grade 3	T35	1030	640	748	III	954b/01
Euro Cash Grade 3	T43	1230	640	748	III	954b/01
Euro Cash Grade 3	T51	1430	640	748	III	954b/01
Euro Cash Grade 3	T63	1730	800	693	III	954b/01
Euro Cash Grade 3	T70	1900	860	748	III	954b/01
Euro Cash Grade 4	F23	715	550	648	IV	954b/02
Euro Cash Grade 4	F28	830	580	673	IV	954b/02
Euro Cash Grade 4	F35	1030	640	748	IV	954b/02
Euro Cash Grade 4	F43	1230	640	748	IV	954b/02
Euro Cash Grade 4	F51	1430	640	748	IV	954b/02
Euro Cash Grade 4	F63	1730	800	693	IV	954b/02
Euro Cash Grade 4	F70	1900	860	748	IV	954b/02
Euro Cash Grade 5	P23	715	550	648	V	954b/03
Euro Cash Grade 5	P28	830	580	673	V	954b/03
Euro Cash Grade 5	P35	1030	640	748	V	954b/03

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Euro Cash Grade 5	P43	1230	640	748	V	954b/03
Euro Cash Grade 5	P51	1430	640	748	V	954b/03
Euro Cash Grade 5	P63	1730	800	693	V	954b/03
Euro Cash Grade 5	P70	1900	860	748	V	954b/03
Euro Cash Grade 6	H21	735	570	665	VI	954b/04
Euro Cash Grade 6	H26	850	600	690	VI	954b/04
Euro Cash Grade 6	H24	790	690	730	VI	954b/04
Euro Cash Grade 6	H35	1090	690	730	VI	954b/04
Euro Cash Grade 6	H47	1390	690	830	VI	954b/04
Euro Cash Grade 6	H55	1590	690	830	VI	954b/04
Euro Cash Grade 6	H67	1890	940	830	VI	954b/04
Euro Cash Grade 0	Z14	455	455	465	0	954b/05
Euro Cash Grade 0	Z19	585	405	465	0	954b/05
Euro Cash Grade 0	Z23	685	520	615	0	954b/05
Euro Cash Grade 0	Z28	800	550	640	0	954b/05
Euro Cash Grade 0	Z35	1000	610	715	0	954b/05
Euro Cash Grade 0	Z43	1200	610	715	0	954b/05
Euro Cash Grade 0	Z51	1400	610	715	0	954b/05
Euro Cash Grade 0	Z59	1600	610	520	0	954b/05
Euro Cash Grade 0	Z63	1700	770	660	0	954b/05
Euro Cash Grade 1	A14	455	455	465	I	954b/06
Euro Cash Grade 1	A19	585	405	465	I	954b/06
Euro Cash Grade 1	A23	685	520	615	I	954b/06
Euro Cash Grade 1	A28	800	550	640	I	954b/06
Euro Cash Grade 1	A35	1000	610	715	I	954b/06
Euro Cash Grade 1	A43	1200	610	715	I	954b/06
Euro Cash Grade 1	A51	1400	610	715	I	954b/06
Euro Cash Grade 1	A59	1600	610	520	I	954b/06
Euro Cash Grade 1	A63	1700	770	660	I	954b/06
Euro Cash Grade 2	D14	485	485	498	II	954b/07
Euro Cash Grade 2	D19	615	435	498	II	954b/07
Euro Cash Grade 2	D23	715	550	648	II	954b/07
Euro Cash Grade 2	D28	830	580	673	II	954b/07
Euro Cash Grade 2	D35	1030	640	748	II	954b/07
Euro Cash Grade 2	D43	1230	640	748	II	954b/07
Euro Cash Grade 2	D51	1430	640	748	II	954b/07
Euro Cash Grade 2	D59	1630	640	553	II	954b/07
Euro Cash Grade 2	D63	1730	800	693	II	954b/07
Euro Cash Grade 2	D70	1900	860	748	II	954b/07
Euro Cash Grade 2	D75	2045	950	913	II	954b/07
Euro Cash Grade 3	T59	1630	640	553	III	954b/01
Euro Cash Grade 3	T75	2045	950	913	III	954b/01
Euro Cash Grade 4	F59	1630	640	553	IV	954b/02
Euro Cash Grade 4	F75	2045	950	913	IV	954b/02
Euro Cash Grade 5	P59	1630	640	553	V	954b/03
Euro Cash Grade 5	P75	2045	950	913	V	954b/03
Euro Cash Grade 6	H60	1721	690	830	VI	954b/04
Euro Cash Grade 6	H68	1920	1190	785	VI	954b/04
Euro Cash Grade 6	H74	2065	970	930	VI	954b/04
Euro Cash Grade 5	P14W	485	525	498	V	954b/03

Certificate No: 954c to LPS 1183: Issue 4

Free-standing Safe

Product Name	Size Ref.	Minimum External Height (mm)	Maximum External Height (mm)	Minimum External Width (mm)	Maximum External Width (mm)	Minimum External Depth (mm)	Maximum External Depth (mm)	Security Grade	LPCB Ref. No.
Euro Cash Grade 5	P62	1703	1706	688	691	748	751	V	954c/01

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Certificate No: 1106a to BS EN 1143-1:2012

Free-standing Safes

Product Name	Size Reference	External Height (mm)	External Width (mm)	External Depth (mm)	Security Grade	LPCB Ref. No.
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SAFES

GBG0	0	455	405	370	0	1106a/01
GBG0	1	455	455	457	0	1106a/01
GBG0	2	585	405	457	0	1106a/01
GBG0	3	685	520	607	0	1106a/01
GBG0	4	800	550	632	0	1106a/01
GBG0	5	1000	610	707	0	1106a/01
EuroCash Grade 0	Z14	455	455	465	0	1106a/04
EuroCash Grade 0	Z19	585	405	465	0	1106a/04
EuroCash Grade 0	Z23	685	520	615	0	1106a/04
EuroCash Grade 0	Z28	800	550	640	0	1106a/04
EuroCash Grade 0	Z35	1000	610	715	0	1106a/04
EuroCash Grade 0	Z43	1200	610	715	0	1106a/04
EuroCash Grade 0	Z51	1400	610	715	0	1106a/04
EuroCash Grade 0	Z59	1600	610	520	0	1106a/04
EuroCash Grade 0	Z63	1700	770	660	0	1106a/04
GBG1	0	455	405	370	I	1106a/02
GBG1	1	455	455	457	I	1106a/02
GBG1	2	585	405	457	I	1106a/02
GBG1	3	685	520	607	I	1106a/02
GBG1	4	800	550	632	I	1106a/02
GBG1	5	1000	610	707	I	1106a/02
EuroCash Grade 1	A14	455	455	465	I	1106a/05
EuroCash Grade 1	A19	585	405	465	I	1106a/05
EuroCash Grade 1	A23	685	520	615	I	1106a/05
EuroCash Grade 1	A28	800	550	640	I	1106a/05
EuroCash Grade 1	A35	1000	610	715	I	1106a/05
EuroCash Grade 1	A43	1200	610	715	I	1106a/05
EuroCash Grade 1	A51	1400	610	715	I	1106a/05
EuroCash Grade 1	A59	1600	610	520	I	1106a/05
EuroCash Grade 1	A63	1700	770	660	I	1106a/05
GBG2	1	485	485	498	II	1106a/03
GBG2	2	615	435	498	II	1106a/03
GBG2	3	811	537	651	II	1106a/03
GBG2	4	830	580	673	II	1106a/03
GBG2	5	1030	640	748	II	1106a/03
GBG2	6	1213	629	495	II	1106a/03
GBG2	7	1569	629	495	II	1106a/03
EuroCash Grade 2	D14	485	485	498	II	1106a/06
EuroCash Grade 2	D19	615	435	498	II	1106a/06
EuroCash Grade 2	D23	715	550	648	II	1106a/06
EuroCash Grade 2	D28	830	580	673	II	1106a/06
EuroCash Grade 2	D35	1030	640	748	II	1106a/06
EuroCash Grade 2	D43	1230	640	748	II	1106a/06
EuroCash Grade 2	D51	1430	640	748	II	1106a/06
EuroCash Grade 2	D59	1630	640	553	II	1106a/06
EuroCash Grade 2	D63	1730	800	693	II	1106a/06
EuroCash Grade 2	D70	1900	860	748	II	1106a/06
EuroCash Grade 2	D75	2045	950	913	II	1106a/06
EuroCash Grade 3	T14	485	485	498	III	1106a/07
EuroCash Grade 3	T19	615	435	498	III	1106a/07
EuroCash Grade 3	T23	715	550	648	III	1106a/07
EuroCash Grade 3	T28	830	580	673	III	1106a/07
EuroCash Grade 3	T35	1030	640	748	III	1106a/07
EuroCash Grade 3	T43	1230	640	748	III	1106a/07
EuroCash Grade 3	T51	1430	640	748	III	1106a/07
EuroCash Grade 3	T59	1630	640	553	III	1106a/07
EuroCash Grade 3	T63	1730	800	693	III	1106a/07
EuroCash Grade 3	T70	1900	860	748	III	1106a/07
EuroCash Grade 3	T75	2045	950	913	III	1106a/07
EuroCash Grade 4	F23	715	550	648	IV	1106a/08
EuroCash Grade 4	F28	830	580	673	IV	1106a/08
EuroCash Grade 4	F35	1030	640	748	IV	1106a/08
EuroCash Grade 4	F43	1230	640	748	IV	1106a/08
EuroCash Grade 4	F51	1430	640	748	IV	1106a/08
EuroCash Grade 4	F59	1630	640	553	IV	1106a/08
EuroCash Grade 4	F63	1730	800	693	IV	1106a/08
EuroCash Grade 4	F70	1900	860	748	IV	1106a/08
EuroCash Grade 4	F75	2045	950	913	IV	1106a/08
EuroCash Grade 5	P23	715	550	648	V	1106a/09
EuroCash Grade 5	P28	830	580	673	V	1106a/09
EuroCash Grade 5	P35	1030	640	748	V	1106a/09
EuroCash Grade 5	P43	1230	640	748	V	1106a/09
EuroCash Grade 5	P51	1430	640	748	V	1106a/09

SAFES

EuroCash Grade 5	P59	1630	640	553	V	1106a/09
EuroCash Grade 5	P63	1730	800	693	V	1106a/09
EuroCash Grade 5	P70	1900	860	748	V	1106a/09
EuroCash Grade 5	P75	2045	950	913	V	1106a/09
EuroCash Grade 6	H21	735	570	665	VI	1106a/10
EuroCash Grade 6	H26	850	600	690	VI	1106a/10
EuroCash Grade 6	H24	790	690	730	VI	1106a/10
EuroCash Grade 6	H35	1090	690	730	VI	1106a/10
EuroCash Grade 6	H47	1390	690	830	VI	1106a/10
EuroCash Grade 6	H55	1590	690	830	VI	1106a/10
EuroCash Grade 6	H60	1721	690	830	VI	1106a/10
EuroCash Grade 6	H67	1890	940	830	VI	1106a/10
EuroCash Grade 6	H68	1920	1190	785	VI	1106a/10
EuroCash Grade 6	H74	2065	970	930	VI	1106a/10

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Certificate No: 639a to LPS 1183: Issue 4

Free-standing Safes

Product Name	Size Reference	SecurityGrade	LPCB Ref. No.
N-Series	N1, N2 and N3	III	639a/01

SECURE DISPENSING MACHINES

Secure dispensing machines that have been assessed to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, secure enclosures and free-standing barriers* are listed in this section.

LPS 1175 confirms a dispensing machine's resistance to manual forced entry attempts by an offender whose objective is to achieve unauthorised access to items for dispensing held within the machine.

The security rating attributed to a secure dispensing machine in accordance with LPS 1175 indicates that machine's ability to resist:

- Unauthorised removal of the entire machine.
- Creation of an aperture through which an item representing that which the dispensing machine is designed to dispense may be removed in an unauthorised manner. The range of sizes and shape of those items is defined on each certificate.

LPS 1175: Issue 8 defines a two-part performance classification (security rating) that indicates the following:

- Threat level (first element) – Letter (A to H) that corresponds with the tool kit used to evaluate the products intruder resistance and the number of active attackers involved (i.e. one at security ratings A to E and two at security ratings F to H).
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) that corresponds with the minimum delay (in minutes) the dispensing machine achieved during attempts to remove items for dispensing held within the machine.

Certification to LPS 1175 does not indicate a secure dispensing machine's resistance to other types of attack. These include fishing, trapping and vandalism.

It is important to ensure the secure dispensing machine is installed in accordance with the manufacturer's instructions. All exposed fixings, the substrate onto which the secure dispensing machine is fitted, and the machine's locking mechanisms should be regularly checked to ensure that they are in good condition and that they have not been tampered with.

Further information about the Security Rating system can be found in LPS 1175, copies of which can be downloaded for free from www.redbooklive.com.

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Certificate No: 1806a to LPS 1175: Issue 8

Dispensing Machine

Product Name	Configuration	Installation Instructions	Security Rating	LPCB Ref. No.
PharmaSelf 24 Multi	Standalone floor mounted prescription medicine dispensing machine	PharmaSelf24 Installation Guide (Rev 0.04/05/22)	B3 (SR2)	1806a/01

SECURE ENCLOSURES

Security enclosures that have been assessed to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* are listed in this section.

Each security rating is appropriate to the level of risk to forced entry or removal, and covers everything from the secure storage of tools in the domestic environment, to protection of remote equipment on railway and telecommunications infrastructures. Some examples of applications include: secure site tool and plant storage units, portable office buildings and shipping containers.

The use of appropriately rated and installed physical security enclosures will protect the contents of the enclosure from the unwanted attentions of the opportunist or professional intruder.

LPS 1175 confirms the resistance to forced entry provided by security enclosures. While LPS 1175 Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version of LPS 1175 (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

Unless otherwise stated, an enclosures resistance to forced entry is rated according to its ability to resist the creation of an aperture through which it is possible to pass a 400 mm by 225 mm elliptical test block. This is considered to be a size through which most intruders could pass. In some cases alternative failure criteria are used as the basis for the security rating attributed to the enclosure. Where used, the alternative failure criterion is designed to suit the enclosures intended application, and is noted in the relevant product entry.

Further information about the security rating system can be found in LPS 1175, copies of which can be downloaded for free from www.redbooklive.com.

It is important to ensure that enclosures are installed in accordance with the manufacturers instructions. All exposed fixings, the substrate onto which the enclosure is fitted, and the locking mechanisms should also be regularly checked to ensure that they are in good condition and that they have not been tampered with.

It is recommended that cash and jewellery should preferably be stored in safe storage units or strongrooms certificated by LPCB. Those looking to prevent unauthorised removal of computer equipment should consider using LPCB certificated physical protection devices.

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Certificate No: 596a to LPS 1175: Issue 5

Security Enclosures

Product Name	Nominal Enclosure Height (m)	Nominal Enclosure Width (m)	Nominal Enclosure Depth (m)	Security Rating	LPCB Ref. No.
Asgard Classic Secure Unit	1.9	1.9	0.8	1	596a/01
Asgard Compact Secure Unit	1.9	1.1	0.8	1	596a/02
Asgard Universal	0.7	0.6	0.5	1	596a/03
Asgard Annexe	1.5	1.8	0.9	1	596a/04

Certificate No: 596b to LPS 1175: Issue 7

Security Enclosures

Product Name	Type	Height (m)	Width (m)	Depth (m)	Compatible Active Leaf Locking Systems	Security Rating	LPCB Ref. No.
Centurion	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.032	1.58	2.24	1	1	596b/01
Centurion Plus 1	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.032	1.58	3.33	1	1	596b/02
Motorcycle Storage	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.032	1.58	2.74	1	1	596b/03

SECURE ENCLOSURES

Motorcycle Storage Plus	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.032	1.58	3.33	1	1	596b/04
Gladiator	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.07	2.2	2.184	1	1	596b/05
Gladiator Plus 1	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.07	2.2	2.684	1	1	596b/06
Gladiator Motorcycle	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.07	2.2	3.276	1	1	596b/07
Motorcycle Plus	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.07	2.2	3.276	1	1	596b/08
Motorcycle Plus 1	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.07	2.2	4.368	1	1	596b/09

Certificate No: 596c to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Height (m)	Width (m)	Depth (m)	Compatible Active Leaf Locking Systems	Security Rating	LPCB Ref. No.
Saracen	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.033	1.578	1.106	1	A1 (SR1)	596c/01

Certificate No: 596d to LPS 1175: Issue 8

Security Enclosures

Product Name	Model	Type	Height (m)	Width (m)	Depth (m)	Compatible Active Leaf Locking Systems	Security Rating	LPCB Ref. No.
Garrison Workshop	-	Six-sided non-vented enclosure incorporating a double leaf doorset in the front face	2.155	3.106	2.263	1	A1 (SR1)	596d/01
Garrison Workshop	Plus	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.155	3.106	3.348	1	A1 (SR1)	596d/01
Garrison Workshop	Plus 1	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.155	3.106	4.447	1	A1 (SR1)	596d/01
Garrison Workshop	Plus 2	Six-sided vented enclosure incorporating a double leaf doorset in the front face	2.155	3.106	5.460	1	A1 (SR1)	596d/01

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Certificate No: 1046a to LPS 1175: Issue 7

Expandable Security Enclosure

Product Name	Type	Height (m)	Width (m)	Length When Enclosure Is Fully Expanded (m)	Length When Enclosure Is Contracted (m)	Security Rating	LPCB Ref. No.
Bastion Enclosure	Expanding security enclosure with integral entrance doorset	2.469	1.700	2.655	1.700	5	1046a/01

Certificate No: 1046d to LPS 1175: Issue 7

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Bastion Wall4	Enclosure formed from four sides and a ceiling	1.171	3.0	0.662	Unlimited	0.662	Unlimited	4	1046d/01

Certificate No: 1046f to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
BastionWALL A.C.E	Enclosure formed from four sides and a ceiling	1.25	2.85	0.7	Unlimited	0.7	Unlimited	G5	1046f/01

SECURE ENCLOSURES

BenweldSecure Limited

Unit 14A, Hartlebury Trading Estate, Hartlebury, Worcestershire, DY10 4JB, United Kingdom

Tel: +44 (0)1299 251750

E-mail: sales@benweld.co.uk • Website: www.benweld.co.uk

Certificate No: 1165a to LPS 1175: Issue 7

Security Cabinet

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Malvern	Security cabinet incorporating a single leaf doorset in the front face	1.25	0.6	1.2	0.4	1.2	4	1165a/01

Sales

Stafford Bridge Doors Limited , Bedford Road , Pavenham, Bedford , MK43 7PS , United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165i to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Heysham	Enclosure with horizontally or vertically laid panels	1.5	5.0	1.0	Unlimited	1.0	Unlimited	B10 and C5 (SR3)	1165i/01

Sales

Stafford Bridge Doors Limited , Bedford Road , Pavenham, Bedford , MK43 7PS , United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165j to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Hinkley	Enclosure with horizontally or vertically laid panels	1.5	5.0	1.0	Unlimited	1.0	Unlimited	D10 (SR4)	1165j/01

Sales

Stafford Bridge Doors Limited , Bedford Road , Pavenham, Bedford , MK43 7PS , United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165k to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Hunterston	Enclosure with horizontally or vertically laid panels	1.5	5.0	1.0	Unlimited	1.0	Unlimited	E10 (SR5)	1165k/01

Sales

Stafford Bridge Doors Limited , Bedford Road , Pavenham, Bedford , MK43 7PS , United Kingdom

Email: sales@staffordbridge.com

Sales

SECURE ENCLOSURES

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165m to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Bradwell	Enclosure with horizontally or vertically laid panels	1.5	5.0	1.0	Unlimited	1.0	Unlimited	B10 and C3	1165m/01

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165n to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Calder	Enclosure with horizontally or vertically laid panels	1.5	5.0	1.0	Unlimited	1.0	Unlimited	E10 (SR5) and G5	1165n/01

Burton Security Limited

Units 20-28, Brockholes Business Park, Rock Mill Road, Brockholes, Holmfirth, HD9 7BN, United Kingdom

Tel: +44 (0)1484 663388

E-mail: enquiries@burtonsecurity.com • Website: www.burtonsafes.co.uk

Certificate No: 1000k to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Orthrus	Five sided secure enclosure	2.057	4.155	0.81	Unlimited	0.5	Unlimited	F10 (SR6) G5	1000k/01

Certificate No: 1000n to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Biovault	Five-sided secure enclosure	2.057	4.155	0.81	Unlimited	0.5	Unlimited	E10 (SR5)	1000n/01

Cannon Technologies Limited

Queensway, Stem Lane, New Milton, Hampshire, BH25 5NU, United Kingdom

Tel: +44 (0)1425 638148

E-mail: sales@cannontech.co.uk • Website: <https://cannontech.co.uk/>

Certificate No: 1715a to LPS 1175: Issue 8

Security Cabinet

Product Name	Type	Configuration	Height (m)	Width (m)	Depth (m)	Security Rating	LPCB Ref. No.
Cannon S175800	Six-sided steel cabinet incorporating single and double leaf doorsets	Single bay	1.839	1.054	1.200	C5 (SR3)	1715a/01
Cannon S175800	Six-sided steel cabinet incorporating single and double leaf doorsets	Double Bay	1.839	1.704	1.200	C5 (SR3)	1715a/01

SECURE ENCLOSURES

Cross-Guard Limited

Unit 11, Dunlop Way, Queensway Industrial Estate, Scunthorpe, North Lincolnshire, DN16 3RN, United Kingdom

Tel: +44 (0)20 8108 9328

E-mail: info@cross-guard.com • Website: www.cross-guard.com

Certificate No: 1596d to LPS 1175: Issue 7

Modular Security Cage

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Extendor Vulcan	Modular cage formed from Extendor Vulcan fixed and opening grilles	0.54	3.97	0.48	Unlimited	1.0	Unlimited	2+	1596d/01

Certificate No: 1596f to LPS 1175: Issue 6

Modular Security Cage

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Extendor Eclipse	Modular cage formed from Extendor Eclipse fixed and opening grilles	0.715	3.67	0.48	Unlimited	1.0	Unlimited	3	1596f/01

Industrial GRP Limited

Capel Hendre Industrial Estate, Ammanford, Carmarthenshire, SA18 3SJ, United Kingdom

Tel: +44 (0)1269 845 800

E-mail: sales@industrialgrp.co.uk • Website: <https://www.industrialgrp.co.uk/>

Certificate No: 1662a to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height (m)	Nominal Maximum Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum Extended Length (m)	Nominal Maximum Extended Length (m)	Security Rating	LPCB Ref. No.
Soteria	GRP security enclosure	0.854	4.0	0.914	30.0	0.5	7.0	C5 (SR3)	1662a/01

Certificate No: 1662b to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height (m)	Nominal Maximum Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum Extended Length (m)	Nominal Maximum Extended Length (m)	Security Rating	LPCB Ref. No.
Soteria 4	GRP security enclosure	0.854	4.0	0.914	30.0	0.5	7.0	D10 (SR4)	1662b/01

JLM Composites Limited

47a Gortnagola Road, Donaghmore, Dungannon, Co. Tyrone, Northern Ireland, BT70 3BD, United Kingdom

Tel: +44 (0)28 8775 9773

E-mail: sales@jlmcomposites.com • Website: www.jlmcomposites.com

Certificate No: 1551a to LPS 1175: Issue 7

Security Cabinet

Product Name	Type	Height (m)	Width (m)	Depth (m)	Security Rating	LPCB Ref. No.
Solar Kiosk	Five-sided GRP security cabinet incorporating a single leaf doorset	1.795	1.05	1.50	3	1551a/01

SECURE ENCLOSURES

Kingsley Plastics Limited

The Airfield, Winkleigh, Devon, EX19 8DW, United Kingdom

Tel: +44 (0)1837 83154

E-mail: sales@kingsleyplastics.co.uk • Website: www.kingsleyplastics.co.uk

Certificate No: 1115b to LPS 1175: Issue 7

Security Enclosures

Product Name	Product Type	Nominal Minimum Height (m)	Nominal Maximum Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
Heavy Duty SR2	GRP security enclosure	1.0	5.0	0.5	15.0	0.5	35.0	2	1115b/01
Heavy Duty SR3	GRP security enclosure	1.0	5.0	0.5	15.0	0.5	35.0	3	1115b/02
Heavy Duty SR4	GRP security enclosure	1.6	5.0	0.5	15.0	1.25	35.0	4	1115b/03

Morgan Marine Limited

Llandybie, Ammanford, Carmarthenshire, SA18 3GY, United Kingdom

Tel: +44 (0)1269 850437

E-mail: sales@morgan-marine.com • Website: www.morgan-marine.com

Certificate No: 1051a to LPS 1175: Issue 7

Security Enclosures

Product Name	Product Type	Nominal Minimum Height1 (m)	Nominal Maximum Height1 (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
Morgan Titan SR2	GRP security enclosure	1.0	5.0	1.02	14.0	1.02	30.0	2	1051a/01
Morgan Titan SR3	GRP security enclosure	1.0	5.0	1.04	14.0	1.04	30.0	3	1051a/02
Morgan Titan SR4	GRP security enclosure	1.0	5.0	1.06	14.0	1.06	30.0	4	1051a/03

Certificate No: 1051b to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height1 (m)	Nominal Maximum Height1 (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
Morgan Titan 2	GRP security enclosure	1.0	5.0	0.5	16.0	1.0	Unlimited	B3 (SR2)	1051b/01

Certificate No: 1051c to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height1 (m)	Nominal Maximum Height1 (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
Morgan Titan 4	GRP security enclosure	1.0	5.0	0.5	16.0	1.0	Unlimited	D10 (SR4)	1051c/01

Certificate No: 1051d to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height1 (m)	Nominal Maximum Height1 (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
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SECURE ENCLOSURES

Morgan Titan 3	GRP security enclosure	1.0	5.0	0.5	16.0	1.0	Unlimited	C5 (SR3)	1051d/01
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Certificate No: 1051e to LPS 1175: Issue 8

Security Enclosures

Product Name	Type	Nominal Minimum Height1 (m)	Nominal Maximum Height1 (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Length (m)	Nominal Maximum External Length (m)	Security Rating	LPCB Ref. No.
Morgan Titan 3-C3	GRP security enclosure	1.0	5.0	0.5	16.0	1.0	Unlimited	C3	1051e/01

NPS GRP Limited

Upper Castle Street, Bradford, West Yorkshire, BD5 7RN, United Kingdom

Tel: +44 (0)1274 721314

E-mail: sales@npsgroup.co.uk • Website: www.npsgroup.co.uk

Certificate No: 1264b to LPS 1175: Issue 8

Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Anti Theft	Five-sided GRP security enclosure	0.5	4.5	0.5	Unlimited	0.5	Unlimited	B3 (SR2)	1264b/01

Certificate No: 1264c to LPS 1175: Issue 8

Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Anti Terrorist	Five-sided GRP security enclosure	0.542	Unlimited	0.656	Unlimited	0.384	Unlimited	D10 (SR4)	1264c/01

Certificate No: 1264d to LPS 1175: Issue 8

Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Anti Vandal	Five-sided GRP security enclosure	0.5	15.0	0.5	Unlimited	0.5	Unlimited	C5 (SR3)	1264d/01

Perforated and Stamped Products Limited

9 Macefield Close, Coventry, CV2 2PJ, United Kingdom

Tel: +44 (0) 2476 842910

E-mail: enquiries@perforatedandstampedproducts.co.uk • Website: www.perforatedandstampedproducts.co.uk

Certificate No: 1573a to LPS 1175: Issue 8

Secure Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
SS01	Secure enclosure	2.086	2.6	1.6	2.6	1.7	Unlimited	B3 (SR2)	1573a/01

Certificate No: 1573b to LPS 1175: Issue 8

Secure Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
SS02	Secure enclosure	1.2	2.6	0.65	2.6	0.5	2.2	B3 (SR2)	1573b/01

SECURE ENCLOSURES

Pro-tect GRP Enclosures Limited

Clarion House, Clarion Close, Swansea Enterprise Park, Swansea, SA6 8QZ, United Kingdom

Tel: +44 (0)1554 823812

E-mail: info@protectgrp.co.uk • Website: www.protectgrp.com

Certificate No: 1328a to LPS 1175: Issue 7

Modular Security Enclosures

Product Name	Product Type	Minimum Height (m)1	Maximum Height (m)1	Minimum Width (m)2	Maximum Width (m)	Minimum Depth (m)2	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Defender	Five-sided GRP security enclosure formed from four walls and a flat roof	0.8	4	0.4	20	0.4	12	3	1328a/01

Certificate No: 1328c to LPS 1175: Issue 8

Modular Security Enclosure

Product Name	Type	Minimum Height1 (m)	Maximum Height1 (m)	Minimum Width2 (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Defender 4	Five-sided GRP security enclosure formed from four walls and a flat or cambered roof	0.8	6.0	0.6	20	0.4	12	D10 (SR4)	1328c/01

Certificate No: 1328d to LPS 1175: Issue 8

Modular Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Defender 2	Five-sided GRP security enclosure formed from four walls and a flat or cambered roof	0.8	6.0	0.4	20	0.4	12	B3 (SR2)	1328d/01

PSF Wales Limited

Llys Rhiannon, Cil Yr Ychen Industrial Estate, Landeilo Road, Llandybie, Ammanford, Carmarthenshire, SA18 3GY, United Kingdom

Tel: +44 (0)1269 851777

E-mail: sales@psfwales.co.uk • Website: www.psfwales.co.uk

Certificate No: 953f to LPS 1175: Issue 7

Modular Security Enclosures

Product Name	Type	Nominal Minimum External Height (m)	Nominal Maximum External Height1 (m)	Nominal Minimum External Width2 (m)	Nominal Maximum External Width (m)	Nominal Minimum External Depth3 (m)	Nominal Maximum External Depth (m)	Security Rating	LPCB Ref. No.
Taurus SAF 3	Modular single skin enclosure with single leaf outward opening doorset	0.85	2.9	0.7	5.0	0.4	2.8	3	953f/01
Taurus SAF 3	Modular single skin enclosure with double leaf outward opening doorset	0.85	2.9	1.422	5.0	0.4	2.8	3	953f/01

Certificate No: 953h to LPS 1175: Issue 7

Modular Security Cages

Product Name	Type	Minimum Height1 (m)	Maximum Height1 (m)	Minimum Width2 (m)	Maximum Width2 (m)	Minimum Depth2 (m)	Maximum Depth2 (m)	Security Rating	LPCB Ref. No.
Centaur SAF 2	Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets	0.6	4.0	0.5	40	0.5	20	2	953h/01
Centaur SAF 3	Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets	0.6	4.0	0.5	40	0.5	20	3	953h/02

Certificate No: 953j to

Modular Security Enclosures

Product Name	Type	Nominal Minimum External Height (m)1	Nominal Maximum External Height (m)1	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Depth (m)	Nominal Maximum External Depth (m)	Security Rating	LPCB Ref. No.
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SECURE ENCLOSURES

Hercules SAF 3	Modular enclosure with single leaf outward opening doorset	0.8	3.2	1.73	25	1.0	10	3	953j/01
Hercules SAF 3	Modular enclosure with double leaf outward opening doorset	0.8	3.2	2.78	25	1.0	10	3	953j/02

Certificate No: 953p to LPS 1175: Issue 8

Security Enclosures

Product Name	Product Type	Nominal Minimum External Height (m)	Nominal Maximum External Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Depth (m)	Nominal Maximum External Depth (m)	Security Rating	LPCB Ref. No.
Hercules SAF 2	Security enclosure with integral single or double leaf padlockable doorset	0.8	2.8	0.63	2.8	0.375	2.8	B3 (SR2)	953p/01

Certificate No: 953r to LPS 1175: Issue 8

Modular Security Enclosures

Product Name	Type	Nominal Minimum External Height (m)	Nominal Maximum External Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Depth (m)	Nominal Maximum External Depth (m)	Security Rating	LPCB Ref. No.
Taurus SAF 4	Modular single skin enclosure with single leaf outward opening doorset	0.85	2.9	0.7	5.0	0.4	2.8	D10 (SR4)	953r/01
Taurus SAF 4	Modular single skin enclosure with double leaf outward opening doorset	0.85	2.9	1.422	5.0	0.4	2.8	D10 (SR4)	953r/01

Certificate No: 953s to LPS 1175: Issue 8

Modular Security Cage

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Centaur SAF 4	Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets	0.6	4.0	0.5	40	0.5	20	D10 (SR4)	953s/01

Certificate No: 953v to LPS 1175: Issue 8

Modular Security Enclosures

Product Name	Type	Nominal Minimum External Height (m)	Nominal Maximum External Height (m)	Nominal Minimum External Width (m)	Nominal Maximum External Width (m)	Nominal Minimum External Depth (m)	Nominal Maximum External Depth (m)	Security Rating	LPCB Ref. No.
Hercules SAF 4	Modular enclosure with single leaf outward opening doorset	0.8	4.0	1.73	25	1.0	10	D10 (SR4)	953v/01
Hercules SAF 4	Modular enclosure with double leaf outward opening doorset	0.8	4.0	2.78	25	1.0	10	D10 (SR4)	953v/01

Quinshield Limited

Capel Hendre, Ammanford, Carmarthenshire, SA18 3SJ, United Kingdom

Tel: +44 (0)1269 832220

E-mail: sales@quinshield.com • Website: www.quinshield.com

Certificate No: 1449a to LPS 1175: Issue 7

Security Enclosures

Product Name	Type	Minimum Height (m)1	Maximum Height (m)1	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Quinshield 'SR2' Security Kiosk	Five-sided GRP security enclosure formed from four walls and a roof	1.25	4.0	1.25	Unlimited	0.4	14	2	1449a/01
Quinshield 'SR3' Security Kiosk	Five-sided GRP security enclosure formed from four walls and a roof	1.25	4.0	1.25	Unlimited	0.4	14	3	1449a/02

SECURE ENCLOSURES

R & D Sheetmetal Limited

2A Colliers Way, Clayton West, Huddersfield, West Yorkshire, HD8 9TR, United Kingdom

Tel: +44 (0)1484 864886

E-mail: sales@randdsheetmetal.co.uk • Website: www.randdsheetmetal.co.uk

Certificate No: 1034a to LPS 1175: Issue 7

Modular Security Enclosures

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Security Evo IV	Enclosure formed from four sides and a ceiling	1.9	2.7	1.1	Unlimited	0.8	Unlimited	4	1034a/01
Security Evo V	Enclosure formed from four sides and a ceiling	1.9	2.7	1.1	Unlimited	0.8	Unlimited	5	1034a/02
Security Evo VI	Enclosure formed from four sides and a ceiling	1.9	2.7	1.1	Unlimited	0.8	Unlimited	6	1034a/03
Security Evo III	Enclosure formed from four sides and a ceiling	1.9	2.7	1.1	Unlimited	0.8	Unlimited	3	1034a/04

Certificate No: 1034e to LPS 1175: Issue 7

Telescopic Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Length When Enclosure is Fully Expanded (m)	Length When Enclosure is Fully Contracted (m)	Security Rating	LPCB Ref. No.
Armour Glide III	Telescopic security enclosure with integral entrance doorset	2.1	2.3	1.2	1.74	2.26	1.25	3	1034e/01
Armour Glide IV	Telescopic security enclosure with integral entrance doorset	2.1	2.3	1.2	1.74	2.26	1.25	4	1034e/02

RCS Manufacturing Limited

Unit 18-19 Crossgate Road, Park Farm Industrial Estate, Redditch, B98 7SN, United Kingdom

Tel: +44 (0)121 706 0222

E-mail: sales@rcsm.co.uk

For sales enquiries, please contact:

Remtech (Computer Security) Limited, PO Box 60, Epsom, Surrey, KT17 2YT, United Kingdom

Email: sales@remtech.com

Certificate No: 1103a to LPS 1175: Issue 7

Modular Security Enclosures¹

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Modusec Level 1	Multisided enclosure incorporating a ceiling	1.8	6.0	1.83	Unlimited	0.43	Unlimited	1	1103a/01
Modusec Level 2	Multisided enclosure incorporating a ceiling	1.8	6.0	1.83	Unlimited	0.43	Unlimited	2	1103a/02
Modusec Level 3	Multisided enclosure incorporating a ceiling	1.8	6.0	1.83	Unlimited	0.43	Unlimited	3	1103a/03
Modusec Level 4	Multisided enclosure incorporating a ceiling	1.8	6.0	1.83	Unlimited	0.43	Unlimited	4	1103a/04
Modusec Level 5	Multisided enclosure incorporating a ceiling	1.8	6.0	1.83	Unlimited	0.4473	Unlimited	5	1103a/05

Ross-Shire Engineering Ltd

Mansefield House, Muir of Ord Industrial Estate, Muir of Ord, IV6 7UA, United Kingdom

Tel: 01463 870049

E-mail: info@ross-eng.com • Website: www.ross-eng.com

Certificate No: 1747a to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
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SECURE ENCLOSURES

RSE Elevated LMB	Enclosure formed from four sides and a ceiling	1.2	4.0	0.573	Unlimited	0.573	Unlimited	B3 (SR2)	1747a/01
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Certificate No: 1747b to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
RSE Advanced LMB	Enclosure formed from four sides and a ceiling	1.2	4.0	0.573	Unlimited	0.573	Unlimited	C5 (SR3)	1747b/01

Certificate No: 1747c to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
RSE Endurance LMB	Enclosure formed from four sides and a ceiling	1.2	4.0	0.573	Unlimited	0.573	Unlimited	D10 (SR4)	1747c/01

Safetell Limited

Unit 46, Fawkes Avenue, Dartford, Kent, DA1 1JQ, United Kingdom

Tel: +44 (0) 1322 223 233

E-mail: sales@safetell.co.uk • Website: www.safetell.co.uk

Certificate No: 1617a to LPS 1175: Issue 8

Modular Security Enclosure

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Citywall	Five-sided security enclosure formed from four walls and a flat roof	1.8	2.7	1.8	Unlimited	1.0	Unlimited	D10 (SR4)	1617a/01

Securiclad

10 Alder Road, West Chirton North Industrial Estate, North Shields, Tyne & Wear , NE29 8SD, United Kingdom

Tel: +44 (0) 191 258 5052

E-mail: sales@securiclad.co.uk • Website: www.securiclad.co.uk

Certificate No: 1731a to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Securiclad	Enclosure with horizontally laid panels	2.5	Unlimited	2.0	Unlimited	2.0	Unlimited	B3 (SR2)	1731a/01
Securiclad	Enclosure with vertically laid panels	2.1	5.5	0.25	Unlimited	0.25	Unlimited	B3 (SR2)	1731a/01
Securiclad	Enclosure with horizontally laid panels	2.5	Unlimited	2.0	Unlimited	2.0	Unlimited	C5 (SR3)	1731a/02
Securiclad	Enclosure with vertically laid panels	2.1	5.5	0.25	Unlimited	0.25	Unlimited	C5 (SR3)	1731a/02
Securiclad	Enclosure with horizontally laid panels	2.5	Unlimited	2.0	Unlimited	2.0	Unlimited	D10 (SR4)	1731a/03
Securiclad	Enclosure with vertically laid panels	2.1	5.5	0.25	Unlimited	0.25	Unlimited	D10 (SR4)	1731a/03
Securiclad	Enclosure with horizontally laid panels	2.5	Unlimited	2.0	Unlimited	2.0	Unlimited	E10 (SR5)	1731a/04
Securiclad	Enclosure with vertically laid panels	2.1	4.0	0.25	Unlimited	0.25	Unlimited	E10 (SR5)	1731a/04

SECURE ENCLOSURES

Siemens Mobility Limited

Langley Park, Pew Hill, Chippenham, Wiltshire, SN15 1GE, United Kingdom

Tel: +44 (0)7921 246076

E-mail: stuart.m.smith@siemens.com • Website: www.siemens.com/ingenuityforlife

Certificate No: 1595a to LPS 1175: Issue 8

Security Cabinet

Product Name	Type	Height (m)	Width (m)	Depth (m)	Security Rating	LPCB Ref. No.
C53228/1 Standard Security Location Case	Five-sided steel location case incorporating double leaf padlockable doorsets in front and rear faces	1.955	1.065	0.720	B3 (SR2)	1595a/01

Certificate No: 1595b to LPS 1175: Issue 8

Security Cabinet

Product Name	Type	Height (m)	Width (m)	Depth (m)	Security Rating	LPCB Ref. No.
C53229/1 High Security Location Case	Five-sided steel location case incorporating double leaf padlockable doorsets in front and rear faces	1.955	1.065	0.720	C3	1595b/01

Steelway Fensecure Limited t/a Steelway Protect and Steelway Brickhouse

Queensgate Works, Bilston Road, Wolverhampton, West Midlands, WV2 2NJ, United Kingdom

Tel: +44 (0)121 521 4521

E-mail: sales@fensecure.co.uk • Website: www.steelway.co.uk

Certificate No: 1071b to LPS 1175: Issue 7

Modular Security Cage

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m) ¹	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Steelway Level 1 Security Mesh Panel System	Cage formed from four sides and a ceiling	1.1	3.91	0.5	Unlimited	0.5	4.0	1	1071b/01
Steelway Level 2 Security Mesh Panel System	Cage formed from four sides and a ceiling	1.1	3.91	0.5	Unlimited	0.5	4.0	2	1071b/02
Steelway Level 3 Security Mesh Panel System	Cage formed from four sides and a ceiling	1.1	3.91	0.5	Unlimited	0.5	4.0	3	1071b/03

Certificate No: 1071e to LPS 1175: Issue 7

Modular Security Enclosures

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m) ¹	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Steelway Level 4 Security Solid Panel System	Enclosure formed from four sides and a ceiling	1.1	3.91	0.5	Unlimited	0.5	4.0	4	1071e/01

Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys, SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511

E-mail: techadvice@technocover.co.uk • Website: www.technocover.co.uk

Certificate No: 450ae to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Sentinel Lite 2 CB1	Small modular secure cabinet system with single leaf doorset	1.392	2.392	0.625	1.32	0.45	2.0	B3 (SR2)	450ae/01
Sentinel Lite 2 CB2	Small modular secure cabinet system with double leaf doorset	1.392	2.392	1.32	2.4	0.45	2.0	B3 (SR2)	450ae/01

Certificate No: 450af to LPS 1175: Issue 8

SECURE ENCLOSURES

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
WMC Sentinel Lite 2	Enclosure formed from four sides and a ceiling	1.5	3.58	1.2	6.0	1.2	Unlimited	B3 (SR2)	450af/01

Certificate No: 450ag to LPS 1175: Issue 8

Wall Mounted Security Cabinet

Product Name	Type	Nominal Cabinet Height (mm)	Nominal Cabinet Width (mm)	Nominal Cabinet Depth (mm)	Security Rating	LPCB Ref. No.
UltraSecure WCC/DV2	Wall-mounted security cabinet	806	810	330	B3 (SR2)	450ag/01

Certificate No: 450b to LPS 1175: Issue 5

Security Cabinets

Product Name	Nominal Enclosure Height (mm)	Nominal Enclosure Width (mm)	Nominal Enclosure Depth (mm)	Security Rating	LPCB Ref. No.
Half Location Apparatus Case (LAC/H)	1850	575	535	3	450b/01
Full Location Apparatus Case (LAC/F)	1850	1010	535	3	450b/02
Half Location Apparatus Case (LAC/H)	1850	575	535	4	450b/03
Full Location Apparatus Case (LAC/F)	1850	1010	535	4	450b/04

Certificate No: 450i to LPS 1175: Issue 7

Modular Security Cages

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Ultrasecure Security Cage System	Cage formed from four sides and a ceiling	0.5	6.0	0.76	Unlimited	0.76	6.0	3	450i/01
SCS/DV3/HYB	Cage formed from four sides and a ceiling	1.4	4.0	1.1	Unlimited	0.75	6.0	3	450i/03

Certificate No: 450q to LPS 1175: Issue 7

Modular Security Enclosures

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
WMC/IS7/DV3	Enclosure formed from four sides and a ceiling	1.8	4.5	1.15	Unlimited	1.2	7.5	3	450q/04
CB1/IS7/DV3	Small modular secure cabinet system with single leaf doorset	1.302	1.895	0.615	1.3	0.45	2.0	3	450q/05
CB2/IS7/DV3	Small modular secure cabinet system with double leaf doorset	1.302	1.895	1.315	2.4	0.45	2.0	3	450q/06
CB1 Sentinel Lite 3	Small modular secure cabinet system with single leaf doorset	1.392	2.392	0.625	1.32	0.45	2.0	3	450q/10
CB2 Sentinel Lite 3	Small modular secure cabinet system with double leaf doorset	1.392	2.392	1.32	2.4	0.45	2.0	3	450q/11
WMC Sentinel Lite 3	Enclosure formed from four sides and a ceiling	1.5	3.58	1.2	6.0	1.2	Unlimited	3	450q/12

Certificate No: 450v to LPS 1175: Issue 8

Modular Security Cage System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
SCS/DV4	Cage formed from four sides and a ceiling	1.4	4.0	1.1	Unlimited	0.75	6.0	D10 (SR4)	450v/01

Certificate No: 450w to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Modular Security Cabinets CB1/DV4	Small modular secure cabinet system with single leaf doorset	1.302	1.895	0.615	1.3	0.45	2.0	D10 (SR4)	450w/01
Modular Security Cabinets CB2/DV4	Small modular secure cabinet system with double leaf doorset	1.302	1.895	1.315	2.4	0.45	2.0	D10 (SR4)	450w/01

SECURE ENCLOSURES

Certificate No: 450x to LPS 1175: Issue 8

Modular Security Enclosure System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
WMC/DV4	Enclosure formed from four sides and a ceiling	1.8	4.5	1.15	Unlimited	1.2	7.5	D10 (SR4)	450x/01

Trimetals Limited

Sunrise Business Park, Higher Shaftesbury Road, Blandford Forum, Dorset, DT11 8ST, United Kingdom

Tel: +44 (0)1258 459441

E-mail: sales@trimetals.co.uk • Website: www.trimetals.co.uk

Certificate No: 899c to LPS 1175: Issue 8

Bicycle Store

Product Name	Type	Nominal Internal Height (m)	Nominal Internal Width (m)	Nominal Internal Depth (m)	Security Rating	LPCB Ref. No.
Protect a Cycle	Bicycle Store	1.28	1.8	0.84	A1 (SR1)	899c/01

Certificate No: 899d to LPS 1175: Issue 8

Motorcycle Store

Product Name	Type	Model	Nominal Internal Height (m)	Nominal Internal Width (m)	Nominal Internal Depth (m)	Security Rating	LPCB Ref. No.
Protect a Bike	Motorcycle store	Standard pent roof model	2	1.4	2.7	B3 (SR2)	899d/01
Protect a Bike	Motorcycle store	Wide pent roof model	2	1.6	2.7	B3 (SR2)	899d/01
Protect a Bike	Motorcycle store	Extra wide pent roof model	2	1.7	2.7	B3 (SR2)	899d/01

Certificate No: 899e to LPS 1175: Issue 8

Bicycle Store

Product Name	Type	Nominal Internal Height (m)	Nominal Internal Width (m)	Nominal Internal Depth (m)	Security Rating	LPCB Ref. No.
Protect a Cycle Pro	Bicycle store	1.28	1.94	0.84	B3 (SR2)	899e/01

Tyrone Fabrication Limited

87 Goland Road, Ballygawley, Co. Tyrone, Northern Ireland, BT70 2LA, United Kingdom

Tel: +44 (0)288 556 7200

E-mail: sales@tyrone.co.uk • Website: www.tyrone.co.uk

Certificate No: 1363a to LPS 1175: Issue 7

Security Cabinets

Product Name	Type	Height (m)	Width (m)	Minimum Depth (m)	Maximum Depth (m)	Compatible Padlock	Security Rating	LPCB Ref. No.
T1206	Five-sided steel location case incorporating double leaf doorsets in front and rear faces	1.955	1.165	0.650	0.850	1	2	1363a/03
T1217	Five-sided steel location case incorporating double leaf doorsets in front and rear faces	1.955	1.165	0.706	0.906	2	3	1363a/04

Warrior Doors Limited

Unit 4, Kings Road Industrial Estate, Tyseley, Birmingham, West Midlands, B11 2AX, United Kingdom

Tel: +44 (0)121 706 8400

E-mail: redbook@warriordoors.co.uk • Website: www.warriordoors.co.uk

Certificate No: 1045c to LPS 1175: Issue 7

SECURE ENCLOSURES

Modular Security Enclosures

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Warrior Enclosure	Enclosure formed from four sides and a ceiling	0.3641	6.20	0.3642	Unlimited	0.3642	Unlimited	4	1045c/01

SECURE ROOFING SYSTEMS

Roofing systems listed in this section are certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

To comply with the terms of the certification, the roofing systems should be designed and installed in accordance with the relevant system manuals noted within the product entry. The styles of tile/panel included within the scope of certification, the range of roof pitches to which they can be fitted and the accessories that are covered by the scope of certification are also noted in each product entry.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruder's likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

SECURE ROOFING SYSTEMS

CA Group Limited

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Tel: +44 (0)1388 834242

E-mail: Technical@cagroup.co.uk • Website: www.cagroup.co.uk

Certificate No: 443d to LPS 1175: Issue 7

Secure Built-Up Roofing Systems

Product Name	Product Code	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Minimum Thickness (m)	Maximum Thickness (m)	Security Rating	LPCB Ref. No.
Twin-Therm® SecureRoof	CA 32 1000R with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443d/01
Twin-Therm® SecureRoof	CA 32 1000R with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	2	443d/02
Twin-Therm® Chronus SecureRoof	CA32 1000R with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443d/03
Twin-Therm® Chronus SecureRoof	CA 32 1000R with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	2	443d/04
Twin-Therm® Chronus Ready SecureRoof	CA 32 1000R with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443d/05
Twin-Therm® Chronus Ready SecureRoof	CA 32 1000R with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	2	443d/06
River-Therm® Secure Roof	RT500 with CA 32 1000RL	0.5	Unlimited	1.0	Unlimited	0.112	0.332	1	443d/07

SECURE SAFE CABINETS

This section lists secure safe cabinets certified by LPCB to EN 14450 Secure storage units - Requirements, classification and methods of test for resistance to burglary - Secure safe cabinets.

These are designed for secure storage of cash and valuables in situations requiring less security resistance than that required to achieve EN 1143-1.

EN 14450 defines the aim of secure safe cabinets being to protect against burglars who typically have no specific information on the level of resistance offered by construction and are not prepared to take high risks.

The secure safe cabinets listed are graded according to their resistance to manual intervention attack tests. These are undertaken by experienced laboratory test engineers using tools carefully selected to achieve access to the contents of the safe using the minimum time and resistance units possible.

Cash and Jewellery Ratings

Table 1 indicates typical cash and jewellery ratings attributed to secure safe cabinets according to their certified resistance grade. These ratings should only be used as a guide since each insurer defines their own ratings depending on the performance of the secure safe cabinets and the situation in which they are to be used. Specifiers are strongly advised to discuss the issue of cash and jewellery ratings with their insurer prior to selecting a secure safe cabinets.

Table 1: Typical Cash and Jewellery Ratings for Secure Safe Cabinets

Standard	Resistance grade	Typical overnight cash rating (£k)	Typical overnight jewellery rating (£k)
EN 14450	S1	2	20
	S2	4	40

Compatible Locks

Although EN 14450 defines the minimum grade each high security lock must meet in accordance with EN 1300, fitting an alternative lock of the grade noted does not guarantee the cabinet will continue to deliver the resistance to forced entry indicated by resistance grade attributed to it in accordance with EN 14450. Differences in each locks construction and operation can affect their resistance to manual attack when fitted to a cabinet as well as their interaction with its boltwork. BRE therefore assess the compatibility of each lock a manufacturer wishes to offer as an option on their certified cabinets. This is to ensure they:

- Meet the relevant minimum EN 1300 grade defined in EN 14450
- Have been demonstrated to support the cabinets ability to deliver resistance to forced entry attempts commensurate with that required to achieve the resistance grade to which it is certified.

Locks confirmed to be fully compatible are listed in the compatible lock table provided on the corresponding certificate issued for each cabinet. Those certificates can be viewed and downloaded from www.redbooklive.com. Failure to use the locks listed will invalidate the cabinets certification and may compromise its ability to deliver resistance to forced entry commensurate with the attributed resistance grade.

Installation and maintenance

Cabinets must be installed in accordance with the manufacturers instructions

All exposed fixings, the substrate into which the cabinet is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.

Associated Security Solutions t/a SMP Security Solutions Limited

Halesfield 24, Telford, Shropshire, TF7 4NZ, United Kingdom

Tel: +44 (0)1952 585673

E-mail: sales@smpsecurity.co.uk • Website: www.smpsecurity.co.uk

Certificate No: 1636c to BS EN 14450: 2005

Secure Safe Cabinet

Product Name	Model	External Width (mm)	External Height (mm)	External Depth (mm)	Approx. Weight (kg)	Security Level	LPCB Ref. No.
Concept 3	1	434	382	394	50	S2	1636c/01
Concept 3	2	534	430	394	62	S2	1636c/01
Concept 3	3	489	489	494	74	S2	1636c/01
Concept 3	4	664	489	494	92	S2	1636c/01
Concept 3	5	814	489	494	110	S2	1636c/01
Concept 3	6	1008	608	694	171	S2	1636c/01

SECURE SAFE CABINETS

Concept 3 7 1370 608 694 221 S2 1636c/01

Dudley Safes Limited

Unit 17 Deepdale Works, Deepdale Lane, Upper Gornal, Dudley, West Midlands, DY3 2AF, United Kingdom

Tel: +44 (0)1384 239991

E-mail: sales?@dudleysafes.com • Website: www.dudleysafes.com

Certificate No: 304b to BS EN 14450: 2005

Secure Safe Cabinets

Product Name	Size Reference	Security Level	LPCB Ref. No.
Harlech Lite (Level 1)	Home Safe, 00, 0, 1, 2, 3, 4, 5 and 6	S1	304b/01
Harlech Lite (Level 2)	Home Safe, 00, 0, 1, 2, 3, 4, 5 and 6	S2	304b/02

Godrej & Boyce Mfg. Co. Ltd

Godrej Security Solutions, Plant 17, Pirojshanagar, Vikhroli (East), Mumbai, 400079, India

Tel: +91 22 679 64797

E-mail: securityexports@godrej.com or secure@godrej.com • Website: www.godrejsecure.com

Certificate No: 954a to BS EN 14450: 2005

Secure Safe Cabinets

Product Name	Model	External Width (mm)	External Height (mm)	External Depth (mm)	Weight (kg)	Security Level	LPCB Ref. No.
Euro-Lite	FS40	450	330	380	40	S2	954a/01
Euro-Lite	FS50	360	430	400	41	S2	954a/01
Euro-Lite	FS45	490	470	410	56	S2	954a/01
Euro-Lite	FS65	490	660	410	73	S2	954a/01
Euro-Lite	FS85	490	860	410	91	S2	954a/01
Euro-Lite	FS10	325	275	325	26	S2	954a/01
Euro-Lite	FS10-D	325	275	425	29	S2	954a/01
Euro-Lite	FS40-D	450	330	500	44	S2	954a/01
Euro-Lite	FS45-D	490	470	510	61	S2	954a/01
Euro-Lite	FS50-D	360	430	500	45	S2	954a/01
Euro-Lite	FS65-D	490	660	510	80	S2	954a/01
Euro-Lite	FS85-D	490	860	510	99	S2	954a/01

Insafe International Limited

Insafe House, 12 Decimus Park, Kingstanding Way, Royal Tunbridge Wells, Kent, TN2 3GP, United Kingdom

Tel: +44 (0)1892 557080

E-mail: sales@insafe.co.uk • Website: www.insafe.co.uk

Certificate No: 1106b to BS EN 14450: 2005

Secure Safe Cabinets

Product Name	Model	External Height (mm)	External Width (mm)	External Depth (mm)	Approx. Weight (kg)	Security Level	LPCB Ref. No.
EuroLite S2	FS10	275	325	325	26	S2	1106b/01
EuroLite S2	FS10-D	275	325	425	29	S2	1106b/01
EuroLite S2	FS40	330	450	380	40	S2	1106b/01
EuroLite S2	FS40-D	330	450	500	44	S2	1106b/01
EuroLite S2	FS45	470	490	410	56	S2	1106b/01
EuroLite S2	FS45-D	470	490	510	61	S2	1106b/01
EuroLite S2	FS50	430	360	400	41	S2	1106b/01
EuroLite S2	FS50-D	430	360	500	45	S2	1106b/01
EuroLite S2	FS65	660	490	410	73	S2	1106b/01
EuroLite S2	FS65-D	660	490	510	80	S2	1106b/01
EuroLite S2	FS85	860	490	410	91	S2	1106b/01
EuroLite S2	FS85-D	860	490	510	99	S2	1106b/01

SECURE WALLING SYSTEMS

Walling systems listed in this section are certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

In order to comply with the terms of the certification, the walling systems must be designed and installed in accordance with the relevant system manuals noted within the product entry.

Unless otherwise stated, the certification covers:

- Plain systems. That is, the certification excludes service penetrations, ducts or other openings such as doors and windows.
- Resistance to the creation of an access hole, within the area of the barrier, through which it is possible to pass a 225 mm by 400 mm elliptical test block defined in LPS 1175.

It is recommended that evidence is sought to confirm the compatibility of any doors, windows, etc. to ensure the combined assembly offers the required security rating. Where such compatibility has been proven, this is indicated in the relevant listing.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints

SECURE WALLING SYSTEMS

· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Bastion Security Products Limited

Armstrong Works, Scotswood Road, Newcastle-upon-Tyne, NE15 6UX, United Kingdom

Tel: +44 (0)191 280 5800

E-mail: moreinfo@bastionprotects.com • Website: www.bastionprotects.com

Certificate No: 1046e to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Bastion Wall4	Partition formed from wall panels supported by existing adjacent walls	1.171	3.0	0.662	Unlimited	-	-	4	1046e/01
Bastion Wall	Partition formed from wall panels supported by existing adjacent walls	1.23	2.8	0.254	Unlimited	0.254	Unlimited	5	1046e/02

BenweldSecure Limited

Unit 14A, Hartlebury Trading Estate, Hartlebury, Worcestershire, DY10 4JB, United Kingdom

Tel: +44 (0)1299 251750

E-mail: sales@benweld.co.uk • Website: www.benweld.co.uk

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165d to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Heysham	Walls with vertically laid panels	1.0	5.0	1.0	Unlimited	B20 and C5 (SR3)	1165d/01

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165e to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Calder	Walls with horizontally or vertically laid panels	1.0	5.0	1.0	Unlimited	E10 (SR5) and G5	1165e/01

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

SECURE WALLING SYSTEMS

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165f to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Hinkley	Walls with vertically laid panels	1.0	5.0	1.0	Unlimited	D10 (SR4)	1165f/01

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165g to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Bradwell	Walls with horizontally or vertically laid panels	1.0	5.0	1.0	Unlimited	B20 and C3	1165g/01

Sales

Stafford Bridge Doors Limited, Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

Email: sales@staffordbridge.com

Sales

Modular Security Solutions Ltd, 115 I4 Ouseburn Building, Albion Row, Byker, Newcastle Upon Tyne, NE6 1LL, United Kingdom

Email: sales@modularsecurity.co.uk

Certificate No: 1165h to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Hunterston	Walls with horizontally or vertically laid panels	1.0	5.0	1.0	Unlimited	E10 (SR5)	1165h/01

CA Group Limited

Evenwood Industrial Estate, Copeland Road, Evenwood, Co. Durham, DL14 9SF, United Kingdom

Tel: +44 (0)1388 834242

E-mail: Technical@cagroup.co.uk • Website: www.cagroup.co.uk

Certificate No: 443c to LPS 1175: Issue 7

Secure Built-Up Cladding System

Product Name	Product Code	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Wall Thickness (m)	Maximum Wall Thickness (m)	Security Rating	LPCB Ref. No.
Twin-Therm® SecureWall	CA 15 910WS SW with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.095	0.315	1	443c/01
Twin-Therm® SecureWall	CA 32 1000R with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443c/01
Twin-Therm® SecureWall	CA 32 1000W with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443c/01
Twin-Therm® SecureWall	CA 47 900SL with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.127	0.347	1	443c/01
Twin-Therm® SecureWall	CA 300MR with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.120	0.340	1	443c/01
Twin-Therm® SecureWall	CA SINU 19 990 with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.099	0.319	1	443c/01

SECURE WALLING SYSTEMS

Twin-Therm® SecureWall	CA 32 1000R with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	2	443c/02
Twin-Therm® SecureWall	CA 47 900SL with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.127	0.347	2	443c/02
Twin-Therm® SecureWall	CA 65 321DL with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.145	0.365	2	443c/02
Twin-Therm® SecureWall	CA ARC 50 930 with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.130	0.350	2	443c/02
Twin-Therm® SecureWall SolarWall	CA 15 910WS and CA 32 1000RM with CA17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.095	0.315	1	443c/03
Twin-Therm® SecureWall	CA 32 1000R SW and CA 32 1000RM with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443c/03
Twin-Therm® SecureWall	CA 21 1000W and CA 32 1000RM with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	1	443c/03
Twin-Therm® SecureWall SolarWall	CA 47 900SL SW and CA 32 1000RM with CA 17 1000L	1.0	Unlimited	1.0	Unlimited	0.127	0.347	1	443c/03
Twin-Therm® SecureWall	CA SINA 19 990 SW and CA 32 1000RM with CA 17 1000L or CA 32 100RL	1.0	Unlimited	1.0	Unlimited	0.099	0.319	1	443c/03
Twin-Therm® SecureWall	CA 32 1000W SW and CA 32 1000RM with CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.112	0.332	2	443c/04
Twin-Therm® SecureWall	CA 47 900SL SW and CA 32 1000RM with CA 1000RL	1.0	Unlimited	1.0	Unlimited	0.127	0.347	2	443c/04
Twin-Therm® SecureWall	CA 65 321DL SW and CA 32 1000RM with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.145	0.365	2	443c/04
Twin-Therm® SecureWall	CA ARC 50 930 SW and CA 32 1000RM with CA 17 1000L or CA 32 1000RL	1.0	Unlimited	1.0	Unlimited	0.130	0.350	2	443c/04

Etex Building Performance Limited

Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NE, United Kingdom

Tel: +44 (0)800 145 6033

E-mail: technical.siniat@etexbp.co.uk • Website: www.siniat.co.uk

Certificate No: 1489a to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Siniat Securtex	Partition formed from walls supported by existing adjacent walls	0.5	Unlimited ^{2,3}	0.3	Unlimited ³	1	1489a/01

MIS Architectural Forms Limited

22c Orgreave Crescent, Dore House Industrial Estate, Sheffield, South Yorkshire, S13 9NQ, United Kingdom

Sales - UK

SIS Projects Ltd, Century House, Century Way, Warrington, WA2 7TT, United Kingdom

Email: info@sis-projects.co.uk

Certificate No: 1708b to LPS 1175: Issue 8

Security Walling System

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SIS Security Level 3 (SL3) Curtain Walling System	Modular Security Walling System	0.6	3.08	0.6	Unlimited	C5 (SR3)	1708b/01

Premier SS Limited

Unit 2, 19-21 Roebuck Road, Hainault Business Park, Hainault, Essex, IG6 3TU, United Kingdom

Tel: +44 (0)20 8559 8295

E-mail: sales@premier-ssl.com • Website: www.premier-ssl.com

Certificate No: 1097b to LPS 1175: Issue 7

Modular Security Screen

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SECURE WALLING SYSTEMS

Product Name	Type	Minimum Structural Opening Height (m)	Minimum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SBD2	Portcullis style modular security screen	0.32	6	0.24	6	2	1097b/01
SBD2	Fully glazed modular security screen	0.153	6	0.34	6	2	1097b/01

Certificate No: 1097h to LPS 1175: Issue 8

Modular Security Screen

Product Name	Type	Minimum Structural Opening Height (m)	Minimum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade- C5-Curtain Walling Screen	Modular Security Screen	0.485	Unlimited	0.485	Unlimited	C5 (SR3)	1097h/01

Certificate No: 1097k to LPS 1175: Issue 8

Modular Security Screen

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade-D10-Curtain Walling Screen	Modular security screen	0.485	Unlimited	0.485	Unlimited	D10 (SR4)	1097k/01

R & D Sheetmetal Limited

2A Colliers Way, Clayton West, Huddersfield, West Yorkshire, HD8 9TR, United Kingdom

Tel: +44 (0)1484 864886

E-mail: sales@randdsheetmetal.co.uk • Website: www.randdsheetmetal.co.uk

Certificate No: 1034c to LPS 1175: Issue 7

Secure Partition Walling Systems

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Security Evo III	Partition formed from wall panels supported by existing adjacent walls	1.8	2.35	0.8	Unlimited	N/A	N/A	3	1034c/01
Security Evo III	Partition formed from wall and ceiling panels supported by existing adjacent walls	1.9	2.7	0.8	Unlimited	1.1	Unlimited	3	1034c/01
Security Evo IV	Partition formed from wall panels supported by existing adjacent walls	1.8	2.35	0.8	Unlimited	N/A	N/A	4	1034c/02
Security Evo IV	Partition formed from wall and ceiling panels supported by existing adjacent walls	1.9	2.7	0.8	Unlimited	1.1	Unlimited	4	1034c/02
Security Evo V	Partition formed from wall panels supported by existing adjacent walls	1.8	2.35	0.8	Unlimited	N/A	N/A	5	1034c/03
Security Evo V	Partition formed from wall and ceiling panels supported by existing adjacent walls	1.9	2.7	0.8	Unlimited	1.1	Unlimited	5	1034c/03
Security Evo VI	Partition formed from wall panels supported by existing adjacent walls	1.8	2.35	0.8	Unlimited	N/A	N/A	6	1034c/04
Security Evo VI	Partition formed from wall and ceiling panels supported by existing adjacent walls	1.9	2.7	0.8	Unlimited	1.1	Unlimited	6	1034c/04

RCS Manufacturing Limited

Unit 18-19 Crossgate Road, Park Farm Industrial Estate, Redditch, B98 7SN, United Kingdom

Tel: +44 (0)121 706 0222

E-mail: sales@rcsm.co.uk

For sales enquiries, please contact:

Remtech (Computer Security) Limited, PO Box 60, Epsom, Surrey, KT17 2YT, United Kingdom

Email: sales@remtech.com

Certificate No: 1103b to LPS 1175: Issue 7

Secure Partition Walling System¹

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
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SECURE WALLING SYSTEMS

Modusec Level 1	Partition formed from wall panels supported by existing adjacent walls	1.8	6.0	0.43	Unlimited	1	1103b/01
Modusec Level 2	Partition formed from wall panels supported by existing adjacent walls	1.8	6.0	0.43	Unlimited	2	1103b/02
Modusec Level 3	Partition formed from wall panels supported by existing adjacent walls	1.8	6.0	0.43,4	Unlimited	3	1103b/03
Modusec Level 4	Partition formed from wall panels supported by existing adjacent walls	1.8	6.0	0.43,4	Unlimited	4	1103b/04
Modusec Level 5	Partition formed from wall panels supported by existing adjacent walls	1.8	6.0	0.4473,4	Unlimited	5	1103b/05

Roof Metal Industries LLC

Al Sajaa Industrial Area – Sharjha, PO Box 43908, Sharjah, United Arab Emirates

Tel: +971 6 545 9106

E-mail: Admn.m@roofmetal.net • Website: www.roofmetalindustries.com

Certificate No: 1775a to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
RM-CoreSecure	Walls with vertically laid panels	1.0	1.2	1.0	Unlimited	C5 (SR3)	1775a/01

Safetell Limited

Unit 46, Fawkes Avenue, Dartford, Kent, DA1 1JQ, United Kingdom

Tel: +44 (0) 1322 223 233

E-mail: sales@safetell.co.uk • Website: www.safetell.co.uk

Certificate No: 1617c to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Citywall	Partition formed from wall panels supported by existing adjacent walls and ceiling	0.5	2.7	0.5	Unlimited	N/A	N/A	D10 (SR4)	1617c/01
Citywall	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.558	2.758	0.5	Unlimited	0.5	Unlimited	D10 (SR4)	1617c/01

Securiclad

10 Alder Road, West Chirton North Industrial Estate, North Shields, Tyne & Wear, NE29 8SD, United Kingdom

Tel: +44 (0) 191 258 5052

E-mail: sales@securiclad.co.uk • Website: www.securiclad.co.uk

Certificate No: 1731b to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Securiclad	Walls with horizontally laid panels	2.0	Unlimited	2.0	Unlimited	B3 (SR2)	1731b/01
Securiclad	Walls with vertically laid panels	2.0	5.5	0.25	Unlimited	B3 (SR2)	1731b/01
Securiclad	Walls with horizontally laid panels	2.0	Unlimited	2.0	Unlimited	C5 (SR3)	1731b/02
Securiclad	Walls with vertically laid panels	2.0	5.5	0.25	Unlimited	C5 (SR3)	1731b/02
Securiclad	Walls with horizontally laid panels	2.0	Unlimited	2.0	Unlimited	D10 (SR4)	1731b/03
Securiclad	Walls with vertically laid panels	2.0	5.5	0.25	Unlimited	D10 (SR4)	1731b/04
Securiclad	Walls with horizontally laid panels	2.0	Unlimited	2.0	Unlimited	E10 (SR5)	1731b/03
Securiclad	Walls with vertically laid panels	2.0	4.0	0.25	Unlimited	E10 (SR5)	1731b/04

Steelway Fensecure Limited t/a Steelway Protect and Steelway Brickhouse

Queensgate Works, Bilston Road, Wolverhampton, West Midlands, WV2 2NJ, United Kingdom

Tel: +44 (0)121 521 4521

E-mail: sales@fensecure.co.uk • Website: www.steelway.co.uk

SECURE WALLING SYSTEMS

Certificate No: 1071c to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Steelway Level 1 Security Mesh Panel System	Partition formed from wall panels supported by existing adjacent walls	0.52	3.8	0.53	Unlimited	N/A	N/A	1	1071c/01
Steelway Level 1 Security Mesh Panel System	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.614	3.91	0.53	Unlimited	0.5	4.0	1	1071c/01
Steelway Level 1 Security Mesh Panel System	Ceiling formed from ceiling panels	N/A	N/A	0.5	Unlimited	0.5	4.0	1	1071c/01
Steelway Level 2 Security Mesh Panel System	Partition formed from wall panels supported by existing adjacent walls	0.52	3.8	0.53	Unlimited	N/A	N/A	2	1071c/02
Steelway Level 2 Security Mesh Panel System	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.614	3.91	0.53	Unlimited	0.5	4.0	2	1071c/02
Steelway Level 2 Security Mesh Panel System	Ceiling formed from ceiling panels	N/A	N/A	0.5	Unlimited	0.5	4.0	2	1071c/02
Steelway Level 3 Security Mesh Panel System	Partition formed from wall panels supported by existing adjacent walls	0.52	3.8	0.53	Unlimited	N/A	N/A	3	1071c/03
Steelway Level 3 Security Mesh Panel System	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.614	3.91	0.53	Unlimited	0.5	4.0	3	1071c/03
Steelway Level 3 Security Mesh Panel System	Ceiling formed from ceiling panels	N/A	N/A	0.5	Unlimited	0.5	4.0	3	1071c/03

Certificate No: 1071f to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Steelway Level 4 Security Solid Panel System	Partition formed from wall panels supported by existing adjacent walls	0.52	3.8	0.53	Unlimited	N/A	N/A	4	1071f/01
Steelway Level 4 Security Solid Panel System	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.614	3.91	0.53	Unlimited	0.5	4.0	4	1071f/01
Steelway Level 4 Security Solid Panel System	Ceiling formed from ceiling panels	N/A	N/A	0.5	Unlimited	0.5	4.0	4	1071f/01

Sunray Engineering Limited

Kingsnorth Industrial Estate, Wotton Road, Ashford, Kent, TN23 6LL, United Kingdom

Tel: +44 (0)1233 639039

E-mail: sales@sunraydoors.co.uk • Website: www.sunraydoors.co.uk

Certificate No: 234i to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
ExcluWall Walling System 2	Partition formed from louvred wall panels supported by existing adjacent walls	0.7153	5.0	0.3154	Unlimited	2	234i/01
ExcluWall Walling System 3	Partition formed from louvred wall panels supported by existing adjacent walls	0.7153	5.0	0.3154	Unlimited	3	234i/02

Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys, SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511

E-mail: techadvice@technocover.co.uk • Website: www.technocover.co.uk

SECURE WALLING SYSTEMS

Certificate No: 450k to LPS 1175: Issue 7

Secure Partition Walling System

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Security Rating	LPCB Ref. No.
Ultrasecure Security Mesh Panel System	Partition formed from wall panels supported by existing adjacent walls	0.51	6.0	0.52	Unlimited	N/A	N/A	3	450k/01
Ultrasecure Security Mesh Panel System	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.51	6.0	0.52	Unlimited	0.52	6.0	3	450k/01
Ultrasecure Security Mesh Panel System	Ceiling formed from ceiling panels	N/A	N/A	0.5	Unlimited	0.5	6.0	3	450k/01

The Expanded Metal Company Limited

P.O.Box 14, Longhill Industrial Estate (North), Hartlepool, TS25 1PR, United Kingdom

Tel: +44 (0)1429 867 388

E-mail: sales@exmesh.co.uk • Website: www.exmeshsecurity.co.uk

Certificate No: 731n to LPS 1175: Issue 8

Secure Partition Wall Systems

Product Name	Model	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Securilath	HD1-PB	Partition wall system	0.5	6.0	0.5	Unlimited	A1 (SR1)	731n/01
Securilath	MD1	Partition wall system	0.5	6.0	0.5	Unlimited	A1 (SR1)	731n/01
Securilath	HD1 Standard	Partition wall system	0.5	6.0	0.5	Unlimited	B3 (SR2)	731n/01
Securilath	Ultra	Partition wall system	0.5	6.0	0.5	Unlimited	C5 (SR3)	731n/01
Securilath	HDR Blockwork	Partition wall system	0.5	6.0	0.5	Unlimited	C5 (SR3)	731n/01
Securilath	Fermacell System 2	Partition wall system	0.5	6.0	0.5	Unlimited	B3 (SR2)	731n/01

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Certificate No: 650e to LPS 1175: Issue 8

Secure Walling System

Product Name	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Wall Thickness (m)	Maximum Wall Thickness (m)	Security Rating	LPCB Ref. No.
Trimoterm FTV	0.6	Unlimited	0.6	Unlimited	0.15	0.24	B3 (SR2)	650e/01

TS Designs Limited

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E-mail: enquiries@ts-designs.com • Website: www.ts-designs.com

Certificate No: 1570c to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
PW2	Partition formed from wall panels supported by existing adjacent walls and ceiling	0.6	Unlimited	0.4	Unlimited	B5	1570c/01

SECURE WALLING SYSTEMS

Certificate No: 1570d to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
PW3	Partition formed from wall panels supported by existing adjacent walls and ceiling	0.6	Unlimited	0.4	Unlimited	C5 (SR3)	1570d/01

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Certificate No: 1590a to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Speedline	Partition walling system with C-studs	2.0	6.2	0.6	Unlimited	A1 (SR1)	1590a/01
Speedline	Partition walling system with I-studs	2.0	3.6	0.6	Unlimited	A1 (SR1)	1590a/01

Certificate No: 1590b to LPS 1175: Issue 8

Secure Partition Walling System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Tradeline	Partition walling system with C-studs	2.0	6.0	0.6	Unlimited	A1 (SR1)	1590b/01
Tradeline	Partition walling system with I-studs	2.0	2.7	0.6	Unlimited	A1 (SR1)	1590b/01

Warrior Doors Limited

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Certificate No: 1045b to LPS 1175: Issue 7

Modular Security Screen

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Minimum Depth (m)	Maximum Depth (m)	Security Rating	LPCB Ref. No.
Warrior Screen	Partition formed from wall panels supported by existing adjacent walls	0.3642	6.20	0.3643	Unlimited	N/A	N/A	4	1045b/01
Warrior Screen	Partition formed from wall and ceiling panels supported by existing adjacent walls	0.3644	6.20	0.3643	Unlimited	0.3643	Unlimited	4	1045b/01
Warrior Screen	Ceiling formed from ceiling panels	N/A	N/A	0.364	Unlimited	0.364	Unlimited	4	1045b/01

SECURITY DOORSETS

Doorsets listed in this section are certified to one or more of the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 1673 *Requirements and testing procedures for the LPCB certification and listing of products that protect against violent forced entry attacks by individuals targeting people and valuable assets.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*
- PAS 24 *Enhanced security performance requirements for doorsets and windows in the UK - External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk.*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

• Access covers	• Garage doorsets	• Security screens
• Cladding systems	• Hinged doorsets	• Sheds and tool stores
• Containers	• Grilles	• Skylights
• Curtain walling systems	• Modular buildings	• Sliding doorsets
• Enclosures	• Partitioning systems	• Strongpoints
• Entrance portals	• Revolving doorsets	• Vehicles
• Fences and gates	• Roofing systems	• Walling systems
• Folding doorsets	• Security cabinets	• Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 1673

LPS 1673 defines a matrix style system for classifying the attack resistance provided by products intended to delay violent intrusion events involving a single attacker wishing to either:

- Do harm to a high-profile individual during a targeted attack; or
- Do harm to several people during a marauding bladed or blunt weapon attack; or
- Target valuable items on display either within a store front or within a display case during a robbery.

The Attack Ratings (AR) defined in LPS 1673 are made up of a series of elements. These include, in order:

- The letters 'AR' indicating it is an Attack Rating, differentiating the declared performance from that relating to other Loss Prevention Standards;
- A letter (A to D) corresponding with the threat level;
- A numeric value (30, 60, 120, 180, 240 or 300) corresponding to the minimum delay the product can deliver in seconds; and
- An optional 'E' suffix indicating the product also resists attacks involving a fire extinguisher.

LPS 1673's development drew on the extensive research conducted by the National Protective Security Authority (NPSA), the UK government's national technical authority for physical and personnel protective security.

Introduction to LPS 2081

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Introduction to EN 1627

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to Resistance Class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

Introduction to PAS 24

PAS 24 is a UK standard that is primarily aimed at windows and doors used in domestic applications where intruders generally use stealth to avoid detection. The level of resistance offered by products certified to PAS 24 is generally lower than that provided by products approved to LPS 1175, especially if the products incorporate glass or in situations where the criminal can make sustained amounts of noise while attempting entry. Nonetheless, Secured by Design (SBD) have reported a significant reduction in domestic burglary as a result of the use of products approved to PAS 24.

Suitability

Products approved to EN 1627 (resistance classes 1 to 3), LPS 2081 and PAS 24 should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to either LPS 1175 or LPS 1673. Likewise, specifications should reference either LPS 1175 or LPS 1673 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

NPSA also publish a useful guide to forced entry protection standards. It includes a series of infographics that assist specifiers select the most appropriate standard for the threat(s) to be mitigated. It can be downloaded from their website - www.npsa.gov.uk/protection-forced-entry

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SECURITY DOORSETS

Certificate No: 1730a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Structural Opening Height (m)	Structural Opening Width (m)	Security Rating	LPCB Ref. No.
AlG Type K	Double leaf outward opening hinged security doorset	2.39	2.58	B3 (SR2)	1730a/01

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Certificate No: 131g to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Centurion A363S	Single leaf outward opening hinged doorset	1.8	2.9	0.7	1.46	3	131g/01
Centurion A363D	Double leaf outward opening hinged doorset	1.8	2.9	1.4	2.85	3	131g/02
Centurion A364S	Single leaf outward opening hinged doorset	1.8	2.9	0.7	1.46	4	131g/04
Centurion A364D	Double leaf outward opening hinged doorset	1.8	2.9	1.4	2.85	4	131g/05
Centurion A365S	Single leaf outward opening hinged doorset	1.8	2.9	0.7	1.46	5	131g/06
Centurion A365D	Double leaf outward opening hinged doorset	1.8	2.9	1.4	2.85	5	131g/07
Centurion A363SI	Single leaf inward opening hinged doorset	1.8	2.75	0.7	1.46	3	131g/08
Centurion A363DI	Double leaf inward opening hinged doorset	1.8	2.75	1.4	2.85	3	131g/09

Certificate No: 131h to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Centurion A362SAb	Single leaf outward opening hinged doorset	1.8	2.9	0.7	1.46	B3 (SR2)	131h/01
Centurion A362SAb	Single leaf outward opening hinged doorset with overpanel	2.1	3.9	0.7	1.46	B3 (SR2)	131h/01
Centurion A362DAb	Double leaf outward opening hinged doorset	1.8	2.9	1.4	2.75	B3 (SR2)	131h/01
Centurion A362DAb	Double leaf outward opening hinged doorset with overpanel	2.1	3.9	1.4	2.75	B3 (SR2)	131h/01
Centurion A362SiAb	Single leaf inward opening hinged doorset	1.8	2.5	0.7	1.35	B3 (SR2)	131h/01
Centurion A362SiAb	Single leaf inward opening hinged doorset with overpanel	2.1	3.5	0.7	1.35	B3 (SR2)	131h/01
Centurion A362SMo	Single leaf outward opening hinged doorset	1.8	2.75	0.7	1.46	B3 (SR2)	131h/01
Centurion A362SMo	Single leaf outward opening hinged doorset with overpanel	2.1	3.75	0.7	1.46	B3 (SR2)	131h/01
Centurion A362DMo	Double leaf outward opening hinged doorset	1.8	2.75	1.4	2.75	B3 (SR2)	131h/01
Centurion A362DMo	Double leaf outward opening hinged doorset with overpanel	2.1	3.75	1.4	2.75	B3 (SR2)	131h/01

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Certificate No: 852c to LPS 1175: Issue 7

SECURITY DOORSETS

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Powershield Strangford	Single leaf outward opening hinged security doorset	2.0	2.54	0.6	1.4	4	852c/01
Powershield Strangford	Double leaf outward opening hinged security doorset	2.0	2.54	1.1	2.54	4	852c/01
Safeguard Ultimium	Single leaf outward or inward opening hinged security doorset	1.5	2.54	0.6	1.4	4	852c/02
Safeguard Ultimium	Double leaf outward or inward opening hinged security doorset	1.5	2.54	1.1	2.54	4	852c/02
ASSA ABLOY Glen	Single leaf outward opening hinged security doorset	1.2	3.05	0.6	1.4	3	852c/04
ASSA ABLOY Glen	Double leaf outward opening hinged security doorset	1.2	3.05	1.0	2.54	3	852c/04
Powershield Glen	Single leaf outward opening hinged security doorset	1.2	2.71	0.65	1.35	3	852c/05
Powershield Glen	Double leaf outward opening hinged security doorset	1.2	2.71	1.0	2.7	3	852c/05
ASSA ABLOY Ultimium	Single leaf outward or inward opening hinged security doorset	1.2	2.8	0.6	1.4	4	852c/07
ASSA ABLOY Ultimium	Double leaf outward or inward opening hinged security doorset	1.2	2.8	1.0	2.54	4	852c/07
ASSA ABLOY Trenchard	Single leaf outward or inward opening hinged security doorset	1.2	2.8	0.6	1.4	3	852c/08
ASSA ABLOY Trenchard	Double leaf outward or inward opening hinged security doorset	1.2	2.8	1.0	2.54	3	852c/08

Certificate No: 852d to LPS 2081: Issue 1

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Powershield Rathlin	Single leaf outward or inward opening hinged security doorset	0.8	2.8	0.35	1.4	B	852d/01
Powershield Rathlin	Single leaf outward or inward opening hinged security doorset with overpanels	1.05	4.8	0.35	1.25	B	852d/01
Powershield Rathlin	Double leaf outward or inward opening hinged security doorset	0.8	2.8	0.6	2.8	B	852d/01
Powershield Rathlin	Double leaf outward or inward opening hinged security doorset with overpanels	1.05	4.8	0.6	2.8	B	852d/01

Certificate No: 852e to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Powershield Clandeboye	Single leaf outward or inward opening hinged security doorset	0.8	3.0	0.35	1.4	B3 (SR2)	852e/01
Powershield Clandeboye	Single leaf outward or inward opening hinged security doorset with overpanels	1.05	5.0	0.35	1.25	B3 (SR2)	852e/01
Powershield Clandeboye	Double leaf outward or inward opening hinged security doorset	0.8	3.0	0.6	2.8	B3 (SR2)	852e/01
Powershield Clandeboye	Double leaf outward or inward opening hinged security doorset with overpanels	1.05	5.0	0.6	2.8	B3 (SR2)	852e/01

Certificate No: 852f to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Assa Abloy Torr	Single leaf outward opening hinged doorset	1.2	3.0	0.6	1.4	C5 (SR3)	852f/01
Assa Abloy Torr	Double leaf outward opening hinged doorset	1.2	3.0	1.0	2.54	C5 (SR3)	852f/01

Certificate No: 852g to LPS 1175: Issue 8

SECURITY DOORSETS

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ASSA ABLOY Strangford	Single leaf outward or inward opening hinged security doorset	1.2	3.05	0.6	1.4	D10 (SR4)	852g/01
ASSA ABLOY Strangford	Double leaf outward or inward opening hinged security doorset	1.2	3.05	1.0	2.54	D10 (SR4)	852g/01

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Certificate No: 1588a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 2	Single leaf outward opening hinged doorset	1.8	3.255	0.6	1.470	B3 (SR2)	1588a/01
ProSecure 2	Double leaf outward opening hinged doorset	1.8	3.255	1.0	3.360	B3 (SR2)	1588a/01

Certificate No: 1588b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 3	Single leaf outward opening hinged doorset	1.8	3.255	0.6	1.470	C5 (SR3)	1588b/01
ProSecure 3	Double leaf outward opening hinged doorset	1.8	3.255	1.0	3.360	C5 (SR3)	1588b/01

Certificate No: 1588c to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 3S	Single leaf outward opening hinged security doorset	1.2	3.05	0.6	1.4	3	1588c/01
ProSecure 3S	Double leaf outward opening hinged security doorset	1.2	3.05	1.0	2.54	3	1588c/01
ProSecure 3W	Single leaf outward or inward opening hinged security doorset	1.2	2.8	0.6	1.4	3	1588c/02
ProSecure 3W	Double leaf outward or inward opening hinged security doorset	1.2	2.8	1.0	2.54	3	1588c/02
ProSecure 4W	Single leaf outward or inward opening hinged security doorset	1.2	2.8	0.6	1.4	4	1588c/03
ProSecure 4W	Double leaf outward or inward opening hinged security doorset	1.2	2.8	1.0	2.54	4	1588c/03

Certificate No: 1588d to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 2S	Single leaf outward or inward opening hinged security doorset	0.8	3.0	0.35	1.4	B3 (SR2)	1588d/01
ProSecure 2S	Single leaf outward or inward opening hinged security doorset with overpanels	1.05	5.0	0.35	1.25	B3 (SR2)	1588d/01
ProSecure 2S	Double leaf outward or inward opening hinged security doorset	0.8	3.0	0.6	2.8	B3 (SR2)	1588d/01
ProSecure 2S	Double leaf outward or inward opening hinged security doorset with overpanels	1.05	5.0	0.6	2.8	B3 (SR2)	1588d/01

Certificate No: 1588e to LPS 1175: Issue 8

SECURITY DOORSETS

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure S3	Single leaf outward opening hinged doorset	1.2	3.0	0.6	1.4	C5 (SR3)	1588e/01
ProSecure S3	Double leaf outward opening hinged doorset	1.2	3.0	1.0	2.54	C5 (SR3)	1588e/01

Certificate No: 1588f to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 4S	Single leaf outward or inward opening hinged security doorset	1.2	3.05	0.6	1.4	D10 (SR4)	1588f/01
ProSecure 4S	Double leaf outward or inward opening hinged security doorset	1.2	3.05	1.0	2.51	D10 (SR4)	1588f/01

Certificate No: 1588g to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ProSecure 4	Single leaf outward opening hinged doorset	1.81	3.26	0.61	1.470	D10 (SR4)	1588g/01
ProSecure 4	Double leaf outward opening hinged doorset	1.81	3.26	1.01	3.360	D10 (SR4)	1588g/01

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Certificate No: 1046b to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Bastion Door4	Single leaf outward opening doorset	1.138	2.110	0.624	1.135	4	1046b/01

Certificate No: 1046g to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
BastionDOOR G5	Single leaf outward opening doorset	1.50	2.8	0.6	1.2	G5	1046g/01
BastionDOOR G5	Double leaf outward opening doorset	1.50	2.8	1.2	2.4	G5	1046g/01

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Certificate No: 026-2b to LPS 1175: Issue 5

Folding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Superfold 4000	Sliding folding panel security doorset comprised of 4 door panels	3.0	6.0	1.7	4.65	4	026-2b/01
Superfold 4000	Sliding folding panel security doorset comprised of 6 door panels	3.0	6.0	2.6	7.0	4	026-2b/01

SECURITY DOORSETS

Superfold 4000	Sliding folding panel security doorset comprised of 8 door panels	3.0	6.0	3.55	8.0	4	026-2b/01
Superfold 5000	Sliding folding panel security doorset comprised of 4 door panels	3.0	6.0	1.7	4.65	5	026-2b/02
Superfold 5000	Sliding folding panel security doorset comprised of 6 door panels	3.0	6.0	2.6	7.0	5	026-2b/02
Superfold 5000	Sliding folding panel security doorset comprised of 8 door panels	3.0	6.0	3.55	8.0	5	026-2b/02

Booth Industries International Limited

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Certificate No: 1583a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Dunscar	Single leaf inward opening hinged security doorset	2.0	3.01	0.8	1.35	2	1583a/01
Dunscar	Single leaf outward opening hinged security doorset	2.0	3.01	0.8	1.35	2	1583a/01
Dunscar	Double leaf outward opening hinged security doorset	2.0	3.01	1.6	2.80	2	1583a/01
Belmont	Single leaf outward opening hinged security doorset	2.0	3.013	0.8	1.31	3	1583a/02
Belmont	Single leaf outward opening hinged security doorset with overpanel	2.3	4.03	0.8	1.31	3	1583a/02
Belmont	Single leaf inward opening hinged security doorset	2.0	3.01	0.8	1.31	3	1583a/02
Belmont	Double leaf outward opening hinged security doorset	2.0	3.013	1.6	2.60	3	1583a/02
Belmont	Double leaf outward opening hinged security doorset with overpanel	2.3	4.23	1.6	2.60	3	1583a/02

Bradbury Group Ltd T/A Bradbury Security

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E-mail: enquiries@bradburyuk.com • Website: www.bradburyuk.com

Certificate No: 312d to LPS 1175: Issue 6

Hinged Security Doorsets

Product Name	Type	Minimum Clear Opening Height (m)	Maximum Clear Opening Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
M2M1	Single leaf outward opening hinged security doorset	1.745	2.475	0.74	1.210	1	312d/01
M2M1	Single leaf outward opening hinged security doorset	1.745	2.410	0.740	0.990	1	312d/01

Certificate No: 312e to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
M2M3	Single leaf outward opening plain leafed doorset	1.01	2.932	0.63	1.434	3	312e/01
M2M3	Single leaf outward opening louvred doorset	1.745	2.43	0.74	1.18	3	312e/01
M2M3	Single leaf outward opening hinged security doorset with removable over panel	1.21	4.132	0.63	1.434	3	312e/01
M2M3	Double leaf outward opening plain leafed doorset	1.01	2.932	0.99	2.610	3	312e/01
M2M3	Double leaf outward opening louvred doorset	1.745	2.43	1.15	2.2	3	312e/01
M2M3	Double leaf outward opening hinged security doorset with removable over panel	1.21	4.132	0.99	2.610	3	312e/01

SECURITY DOORSETS

M2M3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	312e/01
M2M3	Single leaf inward opening hinged doorset with removable over panel	1.2	4.13	0.6	1.43	3	312e/01
M2M3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	312e/01
M2M3	Double leaf inward opening hinged security doorset with removable over panel	1.2	4.13	0.9	2.6	3	312e/01
M2M4	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	312e/03
M2M4	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	312e/03
M2M4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	312e/03
M2M4	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	312e/03
M2M4	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	312e/03
M2M4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	312e/03
M2M2FL	Single leaf outward opening plain leaf doorset	1.4	2.45	0.8	1.4	2	312e/04
M2M2FL	Double leaf outward opening plain leafed doorse	1.4	2.45	1.3	2.7	2	312e/04
M2M3FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	3	312e/05
M2M3FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	3	312e/05
M2M4FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	4	312e/06
M2M4FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	4	312e/06

Certificate No: 312f to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
M2M2	Single leaf outward opening doorset	1.0	2.93	0.74	1.43	2	312f/01
M2M2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	312f/01
M2M2	Double leaf outward opening doorset1	1.0	2.93	1.15	2.60	2	312f/01
M2M2	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.20	2	312f/01
M2M2	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	312f/01
M2M2	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43	2	312f/01
M2M2	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	312f/01
M2M2	Double leaf inward opening doorset with removeable over panel	1.2	4.13	0.9	2.6	2	312f/01
M2M2	Single leaf inward opening doorset with side and/or overpanels	1.0	3.93	0.74	4.18	2	312f/01
M2M2	Double leaf inward opening doorset with side and/or overpanels	1.0	3.93	1.0	5.20	2	312f/01

Certificate No: 312m to LPS 2081: Issue 1

Hinged Glazed Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Classic ^{AL}	Single leaf inward or outward opening fully glazed hinged security doorset	0.9	2.2	0.9	1.2	B	312m/01
Classic ^{AL}	Single leaf inward or outward opening fully glazed hinged security doorset1 with a single side panel and or over panel	1.2	3.4	1.2	2.4	B	312m/01
Classic ^{AL}	Single leaf inward or outward opening fully glazed hinged security doorset with two side panels with or without an over panel	1.2	3.4	1.5	3.6	B	312m/01

Certificate No: 312t to PAS 24:2022

Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Compatible Locking Systems	PAS 24:2022 Classification	LPCB Ref. No.
M2M+24	Single leaf outward opening doorset	1.2	2.5	0.6	1.34	1 or 2	D	312t/01

SECURITY DOORSETS

M2M+24	Single leaf inward opening doorset	1.2	2.5	0.6	1.34	1 or 2	D	312t/01
M2M+24	Double leaf outward opening doorset	1.2	2.5	1.2	2.65	1 (active leaf) 3 (passive leaf)	D	312t/01
M2M+24	Double leaf inward opening doorset	1.2	2.5	1.2	2.65	1 (active leaf) 3 (passive leaf)	D	312t/01

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Certificate No: 1000a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Kronos SR2	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	1000a/01
Kronos SR2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1000a/01
Kronos SR2	Double leaf outward opening doorset	1.0	2.43	1.15	2.20	2	1000a/01
Kronos SR2	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.20	2	1000a/01
Kronos SR3	Single leaf outward opening doorset	1.04	2.935	0.66	1.437	3	1000a/02
Kronos SR3	Single leaf outward opening doorset with removable over panel	1.24	4.135	0.66	1.437	3	1000a/02
Kronos SR3	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	3	1000a/02
Kronos SR3	Single leaf inward opening doorset with removable over panel	1.2	4.13	0.6	1.43	3	1000a/02
Kronos SR3	Double leaf outward opening doorset	1.04	2.935	0.910	2.611	3	1000a/02
Kronos SR3	Double leaf outward opening doorset with removable over panel	1.24	4.135	0.910	2.611	3	1000a/02
Kronos SR3	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	3	1000a/02
Kronos SR3	Double leaf inward opening doorset with removable over panel	1.2	4.13	0.9	2.6	3	1000a/02
Kronos SR4	Single leaf outward opening doorset	1.0	2.93	0.6	1.43	4	1000a/03
Kronos SR4	Single leaf outward opening doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1000a/03
Kronos SR4	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	4	1000a/03
Kronos SR4	Single leaf inward opening doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1000a/03
Kronos SR4	Double leaf outward opening doorset	1.0	2.93	0.9	2.6	4	1000a/03
Kronos SR4	Double leaf outward opening doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1000a/03

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Certificate No: 106f to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Steelman® Level 2	Single leaf outward opening doorset	0.4	3.2	0.4	1.5	B3 (SR2)	106f/01
Clark Steelman®	Single leaf outward opening doorset with overpanel	0.6	9.2	0.4	1.5	B3 (SR2)	106f/01

SECURITY DOORSETS

Level 2							
Clark Steelman® Level 2	Double leaf outward opening doorset	0.4	3.2	0.6	2.9	B3 (SR2)	106f/01
Clark Steelman® Level 2	Double leaf outward opening doorset with overpanel	0.6	9.2	0.6	2.9	B3 (SR2)	106f/01

Certificate No: 106g to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Steelman® Level 3	Single leaf outward opening doorset	0.4	3.2	0.4	1.5	C5 (SR3)	106g/01
Clark Steelman® Level 3	Single leaf outward opening doorset with overpanel	0.6	9.2	0.4	1.5	C5 (SR3)	106g/01
Clark Steelman® Level 3	Double leaf outward opening doorset	0.4	3.2	0.6	2.9	C5 (SR3)	106g/01
Clark Steelman® Level 3	Double leaf outward opening doorset with overpanel	0.6	9.2	0.6	2.9	C5 (SR3)	106g/01

Certificate No: 106h to LPS 2081: Issue 01

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Steelman® Level B	Single leaf outward opening doorset	0.4	3.2	0.4	1.5	B	106h/01
Clark Steelman® Level B	Single leaf outward opening doorset with overpanel	0.6	9.2	0.4	1.5	B	106h/01
Clark Steelman® Level B	Double leaf outward opening doorset	0.4	3.2	0.6	2.9	B	106h/01
Clark Steelman® Level B	Double leaf outward opening doorset with overpanel	0.6	9.2	0.6	2.9	B	106h/01

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Certificate No: 694b to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Desray 2	Single leaf outward opening hinged security doorset	1.5	3.1	0.6	1.44	2	694b/01
Desray 2	Double leaf outward opening hinged security doorset	1.5	3.1	1.1	2.8	2	694b/01
Desray 1	Single leaf outward opening hinged security doorset	1.8	2.44	0.6	1.44	1	694b/03
Desray 1	Double leaf outward opening hinged security doorset	1.8	2.44	1.1	2.8	1	694b/03
Desray 1	Single leaf outward opening hinged security doorset incorporating over panels	2.29	3.44	0.6	1.44	1	694b/03
Desray 1	Double leaf outward opening hinged security doorset incorporating over panels	2.29	3.44	1.1	2.8	1	694b/03
Desray 2	Single leaf outward opening hinged security doorset incorporating overpanels	1.99	4.1	0.6	1.44	2	694b/01
Desray 2	Double leaf outward opening hinged security doorset incorporating overpanels	1.99	4.1	1.1	2.8	2	694b/01
DS3	Single leaf outward opening hinged security doorset	1.5	3.06	0.75	1.4	3	694b/09
DS3	Double leaf outward opening hinged	1.5	3.06	1.5	2.51	3	694b/09

SECURITY DOORSETS

security doorset

DS3	Single leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	0.75	1.4	3	694b/09
DS3	Double leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	1.5	2.51	3	694b/09

Certificate No: 694c to LPS 2081: Issue 1

Hinged Glazed Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Slimline Janisol	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset	0.75	2.8	0.7	1.49	B	694c/01
Slimline Janisol	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with a single side panel and/or over panel	1.05	3.9	1.05	2.87	B	694c/01
Slimline Economy 60	Single leaf inward or outward opening fully glazed hinged security doorset	0.75	2.8	0.7	1.49	B	694c/02
Slimline Economy 60	Single leaf inward or outward opening fully glazed hinged security doorset1 with a single side panel and/or over panel	1.05	3.9	1.05	2.87	B	694c/02
Slimline Janisol	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset with two side panels with or without an over panel	1.05	3.9	1.05	4.29	B	694c/01
Slimline Economy 60	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset with two side panels with or without an over panel	1.05	3.9	1.05	4.29	B	694c/02

Certificate No: 694d to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
DS4	Single leaf outward opening doorset	1.0	2.752	0.5	1.284	D10 (SR4)	694d/01
DS4	Double leaf outward opening doorset	1.0	2.752	0.9	2.492	D10 (SR4)	694d/01

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Hinged Glazed Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Slimline Janisol	Single leaf outward and inward opening fully glazed hinged doorset	0.75	3.0	0.7	1.3	B3 (SR2)	694e/01
Slimline Janisol	Single leaf outward and inward opening fully glazed hinged doorset with side panel(s) and/or over panels	0.75	4.4	0.7	Unlimited	B3 (SR2)	694e/01
Slimline Janisol	Double leaf outward and inward opening fully glazed hinged doorset	0.75	2.75	1.4	2.63	B3 (SR2)	694e/01
Slimline Janisol	Double leaf outward and inward opening fully glazed hinged doorset with side panel(s) and/or over panels	0.75	4.15	1.4	Unlimited	B3 (SR2)	694e/01
Slimline Economy 60	Single leaf outward and inward opening fully glazed hinged doorset	0.75	3.0	0.7	1.3	B3 (SR2)	694e/02
Slimline Economy 60	Single leaf outward and inward opening fully glazed hinged doorset with side panel(s) and/or over panels	0.75	4.4	0.7	Unlimited	B3 (SR2)	694e/02
Slimline Economy 60	Double leaf outward and inward opening fully glazed hinged doorset	0.75	2.75	1.4	2.63	B3 (SR2)	694e/02
Slimline Economy 60	Double leaf outward and inward opening fully glazed hinged doorset with side panel(s) and/or over panels	0.75	4.15	1.4	Unlimited	B3 (SR2)	694e/02

SECURITY DOORSETS

Door Maintenance Group Ltd

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Certificate No: 1282b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Crime-DoorGard 2	Single leaf outward opening doorset	1.8	3.0	0.7	1.45	B3 (SR2)	1282b/01
Crime-DoorGard 2	Double leaf outward opening doorset	1.8	3.0	1.3	3.0	B3 (SR2)	1282b/01

DoorTechnik

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Certificate No: 1084a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
X15-3	Single leaf, outward opening hinged security doorset	1.354	2.540	0.522	1.237	3	1084a/01
X15-3	Double leaf2, outward opening hinged security doorset	1.354	2.540	0.974	2.398	3	1084a/01
X15-2	Single leaf, outward opening hinged security doorset	1.354	2.540	0.522	1.237	2	1084a/02

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Certificate No: 1670a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening width (m)	Security Rating	LPCB Ref. No.
Barbican 1	Single leaf outward opening doorset	1.4	3.0	0.6	1.3	A1 (SR1)	1670a/01
Barbican 1	Double leaf outward opening doorset	1.4	3.0	1.0	2.6	A1 (SR1)	1670a/01

Certificate No: 1670b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening width (m)	Security Rating	LPCB Ref. No.
Barbican 2	Single leaf outward opening doorset	1.4	3.0	0.6	1.3	B3 (SR2)	1670b/01
Barbican 2	Double leaf outward opening doorset	1.4	3.0	1.0	2.6	B3 (SR2)	1670b/01

Certificate No: 1670c to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening width (m)	Security Rating	LPCB Ref. No.
Barbican	Single leaf outward	1.4	3.0	0.6	1.3	C5	1670c/01

SECURITY DOORSETS

3	opening doorset					(SR3)	
Barbican	Double leaf outward	1.4	3.0	1.0	2.6	C5	1670c/01
3	opening doorset					(SR3)	

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Certificate No: 1607b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
FORT002 LP2S	Single leaf, inward opening hinged doorset	1.7	2.5	0.65	1.3	B3 (SR2)	1607b/01

Certificate No: 1607c to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
FORT003 LP3S	Single leaf, inward opening hinged doorset	1.7	2.5	0.65	1.3	C5 (SR3)	1607c/01

Certificate No: 1607d to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
FORT Vault 004 FB4	Single leaf, inward opening doorset	1.8	2.5	0.8	1.4	D10 (SR4)	1607d/01
FORT Vault 004 FB4	Single leaf, outward opening doorset	1.8	2.5	0.8	1.4	D10 (SR4)	1607d/01

Fortress Protec Limited

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Certificate No: 1236a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
BBS XD3	Single leaf outward opening hinged security doorset	1.75	3.445	0.8	1.45	3	1236a/01
BBS XD3	Double leaf outward opening hinged security doorset	1.75	3.445	1.45	3.08	3	1236a/01
BBS XD4	Single leaf outward opening hinged security doorset	1.75	2.6	0.8	1.45	4	1236a/02
BBS XD4	Double leaf outward opening hinged security doorset	1.75	2.6	1.45	2.6	4	1236a/02
BBS XD5	Single leaf outward opening hinged security doorset	1.75	2.6	0.8	1.45	5	1236a/03
BBS XD5	Double leaf outward opening hinged security doorset	1.75	2.6	1.45	2.6	5	1236a/03
BBS XD1	Single leaf outward opening hinged security doorset	0.6	2.5	0.6	1.245	1	1236a/04
BBS XD1	Double leaf outward opening hinged security doorset	0.6	2.54	1.45	2.495	1	1236a/04
BBS XD2	Single leaf outward opening hinged security doorset	0.6	2.5	0.6	1.245	2	1236a/05
BBS XD2	Double leaf outward opening hinged security doorset	0.6	2.54	1.45	2.495	2	1236a/05

SECURITY DOORSETS

GDUK Door Solutions Limited

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Certificate No: 1531a to PAS 24:2016

Automatic Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	LPCB Ref. No.
PSXP SL35-S	Single sliding leaf doorset	2.0	2.64	0.7	1.65	1531a/01
PSXP SL35-S	Single sliding leaf doorset with side panel (to one side of the door)	2.0	2.64	1.07	3.75	1531a/01
PSXP SL35-S	Single sliding leaf doorset with overhead panel	2.3	3.2	0.7	1.65	1531a/01
PSXP SL35-S	Single sliding leaf doorset with side panel (to one side of the door) and overhead panel	2.3	3.2	1.07	3.75	1531a/01
PSXP SL35-S	Double sliding leaf doorset	2.0	2.64	0.8	3.3	1531a/01
PSXP SL35-S	Double sliding leaf doorset with side panels (to both sides of the door)	2.0	2.64	1.54	7.5	1531a/01
PSXP SL35-S	Double sliding leaf doorset with overhead panel	2.3	3.2	0.8	3.3	1531a/01
PSXP SL35-S	Double sliding leaf doorset with side panels (to both sides of the door) and overhead panel	2.3	3.2	1.54	7.5	1531a/01

Certificate No: 1531b to LPS 1175: Issue 7

Automatic Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SL35-S PSXP ESR-1	Single sliding leaf doorset	2.0	2.64	0.7	1.65	1	1531b/01
SL35-S PSXP ESR-1	Single sliding leaf doorset with side panel (to one side of the door)	2.0	2.64	1.07	3.75	1	1531b/01
SL35-S PSXP ESR-1	Single sliding leaf doorset with overhead panel	2.3	3.2	0.7	1.65	1	1531b/01
SL35-S PSXP ESR-1	Single sliding leaf doorset with side panel (to one side of the door) and overhead panel	2.3	3.2	1.07	3.75	1	1531b/01
SL35-S PSXP ESR-1	Double sliding leaf doorset	2.0	2.64	0.8	3.3	1	1531b/01
SL35-S PSXP ESR-1	Double sliding leaf doorset with side panels (to both sides of the door)	2.0	2.64	1.54	7.5	1	1531b/01
SL35-S PSXP ESR-1	Double sliding leaf doorset with overhead panel	2.3	3.2	0.8	3.3	1	1531b/01
SL35-S PSXP ESR-1	Double sliding leaf doorset with side panels (to both sides of the door) and overhead panel	2.3	3.2	1.54	7.5	1	1531b/01
SL35-S PSXP ESR-2	Single sliding leaf doorset	2.0	2.64	0.7	1.65	2	1531b/02
SL35-S PSXP ESR-2	Single sliding leaf doorset with side panel (to one side of the door)	2.0	2.64	1.07	3.75	2	1531b/02
SL35-S PSXP ESR-2	Single sliding leaf doorset with overhead panel	2.3	3.2	0.7	1.65	2	1531b/02
SL35-S PSXP ESR-2	Single sliding leaf doorset with side panel (to one side of the door) and overhead panel	2.3	3.2	1.07	3.75	2	1531b/02
SL35-S PSXP ESR-2	Double sliding leaf doorset	2.0	2.64	0.8	3.3	2	1531b/02
SL35-S PSXP ESR-2	Double sliding leaf doorset with side panels (to both sides of the door)	2.0	2.64	1.54	7.5	2	1531b/02
SL35-S PSXP ESR-2	Double sliding leaf doorset with overhead panel	2.3	3.2	0.8	3.3	2	1531b/02

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Automatic Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SL35-S PSXP ESR-B	Single sliding leaf doorset	2.0	2.64	0.7	1.65	B	1531c/01
SL35-S PSXP ESR-B	Single sliding leaf doorset with side panel (to one side of the door) ¹	2.0	2.64	1.07	3.75	B	1531c/01
SL35-S PSXP ESR-B	Single sliding leaf doorset with overhead panel ¹	2.3	3.2	0.7	1.65	B	1531c/01
SL35-S PSXP ESR-B	Single sliding leaf doorset with side panel (to one side of the door) and overhead panel ¹	2.3	3.2	1.07	3.75	B	1531c/01
SL35-S PSXP ESR-B	Double sliding leaf doorset	2.0	2.64	0.8	3.3	B	1531c/01
SL35-S PSXP ESR-B	Double sliding leaf doorset with side panels (to both sides of the door) ¹	2.0	2.64	1.54	7.5	B	1531c/01
SL35-S PSXP ESR-B	Double sliding leaf doorset with overhead panel ¹	2.3	3.2	0.8	3.3	B	1531c/01
SL35-S PSXP ESR-B	Double sliding leaf doorset with side panels (to both sides of the door) and overhead panel ¹	2.3	3.2	1.54	7.5	B	1531c/01

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Certificate No: 1358b to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Security Single Door	Single leaf outward opening doorset	1.952	3.15	0.5	1.6	2	1358b/01
Security Double Door	Double leaf outward opening doorset	1.952	3.15	0.6	3.2	2	1358b/01
Security Double Door	Double leaf outward opening doorset with an overpanel	2.377	5.9	0.6	3.2	2	1358b/01
Security Double Door	Double leaf outward opening doorset with side panels	1.952	3.15	1.2	5.9	2	1358b/01

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Also Available Through:

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Certificate No: 1639a to LPS 1175: Issue 8

Hinged Security Doorsets

Product	Type	Minimum Structural	Maximum Structural	Minimum Structural	Maximum Structural	Security	LPCB Ref.
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SECURITY DOORSETS

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Certificate No: 1135a to LPS 1175: Issue 7

Hinged Security Doorsets

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Certificate No: 1762a to LPS 1175: Issue 7

Hinged Security Doorsets

Product	Type	Minimum Structural	Maximum Structural	Minimum Structural	Maximum Structural	Security	LPCB Ref.
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Name		Opening Height (m)	Opening Height (m)	Opening Width (m)	Opening Width (m)	Rating	No.
K-SR2FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	2	1762a/01
K-SR2FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	2	1762a/01
K-SR3	Single leaf outward opening plain leafed doorset	1.0	2.93	0.6	1.43	3	1762a/02
K-SR3	Single leaf outward opening louvred leafed doorset	1.745	2.43	0.74	1.18	3	1762a/02
K-SR3	Single leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.6	1.43	3	1762a/02
K-SR3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1762a/02
K-SR3	Single leaf inward opening hinged doorset with removable over panel	1.2	4.13	0.6	1.43	3	1762a/02
K-SR3	Double leaf outward opening plain leafed	1.0	2.93	0.9	2.6	3	1762a/02
K-SR3	Double leaf outward opening louvred doorset	1.745	2.43	1.15	2.2	3	1762a/02
K-SR3	Double leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1762a/02
K-SR3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1762a/02
K-SR3	Double leaf inward opening hinged doorset with side and/or over panel	1.2	4.13	0.9	2.6	3	1762a/02
K-SR3FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	3	1762a/03
K-SR3FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	3	1762a/03
K-SR4	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1762a/04
K-SR4	Single leaf outward opening hinged doorset with side and/or overpanels	1.0	4.43	0.6	2.93	4	1762a/04
K-SR4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1762a/04
K-SR4	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1762a/04
K-SR4	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	1762a/04
K-SR4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1762a/04
K-SR4FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	5	1762a/05
K-SR4FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	5	1762a/05

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
K-SR2	Single leaf outward opening doorset	1.0	2.93	0.74	1.43	2	1762b/01
K-SR2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1762b/01
K-SR2	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	1762b/01
K-SR2	Single leaf inward opening doorset with removable over panel	1.2	4.13	0.6	1.13	2	1762b/01
K-SR2	Single leaf inward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1762b/01
K-SR2	Double leaf outward opening doorset	1.0	2.93	1.15	2.60	2	1762b/01
K-SR2	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.20	2	1762b/01
K-SR2	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	1762b/01
K-SR2	Double leaf inward opening doorset with removable over panel	1.2	4.13	0.9	2.6	2	1762b/01
K-SR2	Double leaf inward opening doorset with side and/or over panels	1.0	3.93	1.0	5.20	2	1762b/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	PAS 24:2016 Classification	LPCB Ref. No.
K-PAS24	Single leaf outward opening doorset	1.2	2.5	0.6	1.34	D	1762c/01
K-PAS24	Single leaf inward opening doorset	1.2	2.5	0.6	1.34	D	1762c/01
K-PAS24	Double leaf outward	1.2	2.5	1.2	2.65	D	1762c/01

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K-PAS24	opening doorset						
	Double leaf inward opening doorset	1.2	2.5	1.2	2.65	D	1762c/01

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Certificate No: 1115a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Heavy Duty SR2	Single leaf outward opening hinged GRP doorset with a plain padlockable leaf	0.918	3.118	0.518	1.413	2	1115a/01
Heavy Duty SR2	Double leaf outward opening hinged GRP doorset with plain padlockable leaves of equal sizes	0.918	3.118	0.922	2.712	2	1115a/01
Heavy Duty SR3	Single leaf outward opening hinged GRP doorset with a plain padlockable leaf	0.918	3.118	0.518	1.413	3	1115a/02
Heavy Duty SR3	Double leaf outward opening hinged GRP doorset with plain padlockable leaves of equal sizes	0.918	3.118	0.922	2.712	3	1115a/02
Heavy Duty SR3	Single leaf outward opening hinged GRP doorset with a plain leaf	0.918	3.118	0.518	1.413	3	1115a/03
Heavy Duty SR3	Double leaf outward opening hinged GRP doorset with plain leaves of equal sizes	0.918	3.118	0.922	2.712	3	1115a/03

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Certificate No: 1786a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
LCR2 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	2	1786a/01
LCR2 FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	2	1786a/01
LCR3	Single leaf outward opening plain leafed doorset	1.0	2.93	0.6	1.43	3	1786a/02
LCR3	Single leaf outward opening louvred doorset	1.745	2.43	0.74	1.18	3	1786a/02
LCR3	Single leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.6	1.43	3	1786a/02
LCR3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1786a/02
LCR3	Single leaf inward opening hinged doorset with removable over panel	1.2	4.13	0.6	1.43	3	1786a/02
LCR3	Double leaf outward opening plain leafed doorset	1.0	2.93	0.9	2.6	3	1786a/02
LCR3	Double leaf outward opening louvred doorset	1.745	2.43	1.15	2.2	3	1786a/02
LCR3	Double leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1786a/02
LCR3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1786a/02
LCR3	Double leaf inward opening hinged security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1786a/02
LCR3 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	3	1786a/03
LCR3 FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	3	1786a/03
LCR4	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1786a/04
LCR4	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1786a/04

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LCR4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1786a/04
LCR4	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1786a/04
LCR4	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	1786a/04
LCR4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1786a/04
LCR4 FL	Double leaf outward opening plain leafed doorset6	1.4	2.45	1.3	2.7	4	1786a/05
LCR4 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	4	1786a/05

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Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
'LCR2'	Single leaf outward opening doorset	1.0	2.93	0.74	1.43	2	1786b/01
'LCR2'	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1786b/01
'LCR2'	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	1786b/01
'LCR2'	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43	2	1786b/01
'LCR2'	Single leaf inward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1786b/01
'LCR2'	Double leaf outward opening doorset1	1.0	2.93	1.15	2.60	2	1786b/01
'LCR2'	Double leaf outward opening doorset with side and/or over panels1	1.0	3.93	1.15	5.20	2	1786b/01
'LCR2'	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	1786b/01
'LCR2'	Double leaf inward opening doorset with removeable over panel	1.2	4.13	0.9	2.6	2	1786b/01
'LCR2'	Double leaf inward opening doorset with side and/or over panels	1.0	3.93	1.0	5.20	2	1786b/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Compatible Locking Systems	PAS 24:2016 Classification	LPCB Ref. No.
LCR PAS 24	Single leaf outward opening doorset	1.2	2.5	0.6	1.34	1 or 2	D	1786c/01
LCR PAS 24	Single leaf inward opening doorset	1.2	2.5	0.6	1.34	1 or 2	D	1786c/01
LCR PAS 24	Double leaf outward opening doorset	1.2	2.5	1.2	2.65	1 (Active leaf) 3 (Passive leaf)	D	1786c/01
LCR PAS 24	Double leaf inward opening doorset	1.2	2.5	1.2	2.65	1 (Active leaf) 3 (Passive leaf)	D	1786c/01

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Certificate No: 1147a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Victor	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	1147a/03
Victor	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1147a/03
Victor	Double leaf outward opening doorset	1.0	2.43	1.15	2.2	2	1147a/03
Victor	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.2	2	1147a/03
Vigilant II	Single leaf outward opening doorset	1.04	2.935	0.66	1.437	3	1147a/04
Vigilant II	Single leaf outward opening doorset with removable over panel	1.24	4.135	0.66	1.437	3	1147a/04
Vigilant II	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1147a/04
Vigilant II	Single leaf inward opening hinged doorset	1.2	4.13	0.6	1.43	3	1147a/04

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with removable over panel							
Vigilant II	Double leaf outward opening doorset	1.04	2.935	0.910	2.611	3	1147a/04
Vigilant II	Double leaf outward opening doorset with removable over panel	1.24	4.135	0.910	2.611	3	1147a/04
Vigilant II	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1147a/04
Vigilant II	Double leaf inward opening hinged doorset security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1147a/04
Vanquish II	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1147a/05
Vanquish II	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1147a/05
Vanquish II	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1147a/05
Vanquish II	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1147a/05
Vanquish II	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	1147a/05
Vanquish II	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1147a/05

Metador, the trading name of partnership between Seamer UK Limited (company no. 08260888), RHE Trading Limited (company no 08272209), T&HM (company no 09712730)

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Certificate No: 1284a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Defender Xtreme 1	Single leaf outward opening hinged security doorset	1.8	2.44	0.6	1.44	1	1284a/01
Defender Xtreme 1	Double leaf outward opening hinged security doorset	1.8	2.44	1.1	2.8	1	1284a/01
Defender Xtreme 1	Single leaf outward opening hinged security doorset incorporating overpanels	2.29	3.44	0.6	1.44	1	1284a/01
Defender Xtreme 1	Double leaf outward opening hinged security doorset incorporating overpanels	2.29	3.44	1.1	2.8	1	1284a/01
Defender Xtreme 2	Single leaf outward opening hinged security doorset	1.5	2.44	0.6	1.44	2	1284a/02
Defender Xtreme 2	Double leaf outward opening hinged security doorset	1.5	2.44	1.1	2.8	2	1284a/02
Defender Xtreme 2	Single leaf outward opening hinged security doorset incorporating overpanels	1.99	3.44	0.6	1.44	2	1284a/02
Defender Xtreme 2	Double leaf outward opening hinged security doorset incorporating overpanels	1.99	3.44	1.1	2.8	2	1284a/02
Defender Xtreme 3	Single leaf outward opening hinged security doorset	1.5	3.06	0.75	1.4	3	1284a/03
Defender Xtreme 3	Double leaf outward opening hinged security doorset	1.5	3.06	1.5	2.51	3	1284a/03
Defender Xtreme 3	Single leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	0.75	1.4	3	1284a/03
Defender Xtreme 3	Double leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	1.5	2.51	3	1284a/03

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Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Defender Xtreme 4	Single leaf outward opening doorsets	1.0	2.752	0.5	1.284	D10 (SR4)	1284b/01
Defender Xtreme 4	Double leaf outward opening doorsets	1.0	2.752	0.9	2.492	D10 (SR4)	1284b/01

Certificate No: 1284c to LPS 1175: Issue 8

Hinged Security Doorsets

Product	Type	Minimum Structural	Maximum Structural	Minimum Structural	Maximum Structural	Security	LPCB Ref.
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Name		Opening Height (m)	Opening Height (m)	Opening Width (m)	Opening Width (m)	Rating	No.
Defender Xtreme 2	Single leaf outward opening hinged security doorset	1.5	2.5	0.5	1.5	B3 (SR2)	1284c/01
Defender Xtreme 2	Single leaf inward opening hinged security doorset	1.5	2.5	0.5	1.5	B3 (SR2)	1284c/01
Defender Xtreme 2	Single leaf outward or inward opening doorset with overpanels and/or sidepanels	1.8	3.5	0.8	3.5	B3 (SR2)	1284c/01
Defender Xtreme 2	Double leaf outward opening doorset	1.5	2.5	1.1	2.9	B3 (SR2)	1284c/01
Defender Xtreme 2	Double leaf outward opening doorset with overpanels and/or sidepanels	1.8	3.5	1.4	4.9	B3 (SR2)	1284c/01

Certificate No: 1284d to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Defender Xtreme 3	Single leaf outward opening hinged security doorset	1.5	2.5	0.5	1.5	C5 (SR3)	1284d/01
Defender Xtreme 3	Single leaf outward opening doorset with overpanels and/or sidepanels	1.8	3.5	0.8	3.5	C5 (SR3)	1284d/01
Defender Xtreme 3	Double leaf outward opening doorset	1.5	2.5	1.1	2.9	C5 (SR3)	1284d/01
Defender Xtreme 3	Double leaf outward opening doorset with overpanels and/or sidepanels	1.8	3.5	1.4	4.9	C5 (SR3)	1284d/01

Please click on View Certificate to view the full product details

MIS Architectural Forms Limited

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Sales - UK

SIS Projects Ltd, Central House, Central Way, Warrington, WA2 7TT, United Kingdom

Email: info@sis-projects.co.uk

Certificate No: 1708a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SIS Security Level 3 (SL3) Doorset	Single leaf outward opening hinged security doorset	2.10	2.388	1.06	1.225	C5 (SR3)	1708a/01

MM Engineered Solutions Ltd

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Certificate No: 1770a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Structural Opening Dimensions (m) Min Height	Structural Opening Dimensions (m) Max Height	Structural Opening Dimensions (m) Mid Width	Structural Opening Dimensions (m) Max Width	Security Rating	LPCB Ref. No.
Flood Door	Single leaf outward opening hinged doorset	2.0	2.9	0.75	1.3	C5 (SR3)	1770a/01
Flood Door	Single leaf outward opening hinged doorset with dual access	2.0	2.9	0.75	1.3	C5 (SR3)	1770a/01
Flood Door	Double leaf outward opening hinged doorset	2.0	2.9	1.3	2.6	C5 (SR3)	1770a/01
Flood Door	Double leaf outward opening hinged doorset with dual access	2.0	2.9	1.3	2.6	C5 (SR3)	1770a/01

SECURITY DOORSETS

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Certificate No: 1051f to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	Security Rating	LPCB Ref. No.
Hybris SR2 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.3	2		1051f/01
Hybris SR2 FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	2		1051f/01
Hybris SR3	Single leaf outward opening plain leafed doorset	1.0	2.93	0.6	1.43	3		1051f/02
Hybris SR3	Single leaf outward opening louvred doorset	1.745	2.43	0.74	1.18	3		1051f/02
Hybris SR3	Single leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.6	1.43	3		1051f/02
Hybris SR3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3		1051f/02
Hybris SR3	Single leaf inward opening hinged doorset with removeable over panel	1.2	4.13	0.6	1.43	3		1051f/02
Hybris SR3	Double leaf outward opening plain leafed doorset	1.0	2.93	0.9	2.6	3		1051f/02
Hybris SR3	Double leaf outward opening louvred doorset	1.745	2.43	1.15	2.2	3		1051f/02
Hybris SR3	Double leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.9	2.6	3		1051f/02
Hybris SR3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3		1051f/02
Hybris SR3	Double leaf inward opening hinged doorset security doorset with removeable over panel	1.2	4.13	0.9	2.6	3		1051f/02
Hybris SR3 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	3		1051f/03
Hybris SR3 FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	3		1051f/03
Hybris SR4	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4		1051f/04
Hybris SR4	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4		1051f/04
Hybris SR4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4		1051f/04
Hybris SR4	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4		1051f/04
Hybris SR4	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4		1051f/04
Hybris SR4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4		1051f/04
Hybris SR4 FL	Single leaf outward opening plain leafed doorset	1.4	2.45	0.8	1.4	4		1051f/05
Hybris SR4 FL	Double leaf outward opening plain leafed doorset	1.4	2.45	1.3	2.7	4		1051f/05

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Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hybris SR2	Single leaf outward opening doorset	1.0	2.93	0.74	1.43	2	1051g/01
Hybris SR2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1051g/01
Hybris SR2	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	1051g/01
Hybris SR2	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43	2	1051g/01
Hybris SR2	Single leaf inward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1051g/01

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Hybris SR2	Double leaf outward opening doorset	1.0	2.93	1.15	2.60	2	1051g/01
Hybris SR2	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.20	2	1051g/01
Hybris SR2	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	1051g/01
Hybris SR2	Double leaf inward opening doorset with removeable over panel	1.2	4.13	0.9	2.6	2	1051g/01
Hybris SR2	Double leaf inward opening doorset with side and/or over panels	1.0	3.93	1.0	5.20	2	1051g/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	PAS 24:2016 Classification	LPCB Ref. No.
Hybris PAS24	Single leaf outward opening doorset	1.2	2.5	0.6	1.34	D	1051h/01
Hybris PAS24	Single leaf inward opening doorset	1.2	2.5	0.6	1.34	D	1051h/01
Hybris PAS24	Double leaf outward opening doorset	1.2	2.5	1.2	2.65	D	1051h/01
Hybris PAS24	Double leaf inward opening doorset	1.2	2.5	1.2	2.65	D	1051h/01

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Hinged Security Doorsets

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
MultiSteel	Half Glaze Style	Single leaf outward opening doorset	1.566	2.2	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Half Glaze Style	Single leaf outward opening doorset with overpanel	1.716	2.787	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Half Glaze Style	Single leaf outward opening doorset with side panel	1.566	2.2	1.075	2.400	B3 (SR2)	1768a/01
MultiSteel	Half Glaze Style	Single leaf outward opening doorset with side panel	1.566	5.975	0.925	6.225	B3 (SR2)	1768a/01
MultiSteel	Pembury Style	Single leaf outward opening doorset	1.566	2.2	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Pembury Style	Single leaf outward opening doorset with overpanel	1.716	2.787	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Pembury Style	Single leaf outward opening doorset with side panel	1.566	2.2	0.925	1.812	B3 (SR2)	1768a/01
MultiSteel	Pembury Style	Single leaf outward opening doorset with side panel	1.566	2.787	0.925	2.400	B3 (SR2)	1768a/01
MultiSteel	Portcullis Style	Single leaf outward opening doorset	1.566	2.2	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Portcullis Style	Single leaf outward opening doorset with overpanel	1.716	2.787	0.775	1.225	B3 (SR2)	1768a/01
MultiSteel	Portcullis Style	Single leaf outward opening doorset with side panel	1.566	2.2	0.925	1.812	B3 (SR2)	1768a/01
MultiSteel	Portcullis Style	Single leaf outward opening doorset with side panel	1.716	2.787	0.925	2.400	B3 (SR2)	1768a/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Secura 2	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	1645a/01
Secura 2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1645a/01
Secura 2	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	1645a/01
Secura 2	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43	2	1645a/01
Secura 2	Double leaf outward opening doorset	1.0	2.43	1.15	2.2	2	1645a/01
Secura 2	Double leaf outward opening doorset with side and/or over panels	1.0	3.93	1.15	5.2	2	1645a/01
Secura 2	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	1645a/01
Secura 2	Double leaf inward opening doorset with removeable over panel	1.2	4.13	0.9	2.6	2	1645a/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Secura 3	Single leaf outward opening plain leafed doorset	1.0	2.93	0.6	1.43	3	1645b/01
Secura 3	Single leaf outward opening hinged security doorset with removeable over panel	1.2	4.13	0.6	1.43	3	1645b/01
Secura 3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1645b/01
Secura 3	Single leaf inward opening hinged doorset with removeable over panel	1.2	4.13	0.6	1.43	3	1645b/01
Secura 3	Double leaf outward opening plain leafed doorset	1.0	2.93	0.9	2.6	3	1645b/01
Secura 3	Double leaf outward opening hinged security doorset with removeable over panel	1.2	4.13	0.9	2.6	3	1645b/01
Secura 3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1645b/01
Secura 3	Double leaf inward opening hinged doorset security doorset with removeable over panel	1.2	4.13	0.9	2.6	3	1645b/01
Secura 4	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1645b/02
Secura 4	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1645b/02
Secura 4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1645b/02
Secura 4	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1645b/02
Secura 4	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	1645b/02
Secura 4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1645b/02

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Secura 2	Single leaf outward opening doorset	1.0	3.0	0.61	1.51	B3 (SR2)	1645c/01
Secura 2	Double leaf outward opening doorset	1.0	3.0	1.21	3.01	B3 (SR2)	1645c/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Secura 3	Single leaf outward opening doorset	1.0	3.0	0.61	1.51	C5 (SR3)	1645d/01
Secura 3	Double leaf outward opening doorset	1.0	3.0	1.21	3.01	C5 (SR3)	1645d/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Secura 4	Single leaf outward opening doorset	1.0	3.0	0.61	1.51	D10 (SR4)	1645e/01
Secura 4	Double leaf outward opening doorset	1.0	3.0	1.21	3.01	D10 (SR4)	1645e/01
Secura 4	Single leaf inward opening doorset	1.0	3.0	0.61	1.51	D10 (SR4)	1645e/01
Secura 4	Double leaf inward opening doorset	1.0	3.0	1.21	3.01	D10 (SR4)	1645e/01

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Hinged Security Doorsets

Product Name	Type1	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SBD2	Single leaf outward opening doorset	1.2	2.067	0.52	1.22	2	1097a/01
SBD2	Single leaf outward opening doorset with side and/or over panels	1.24	6.0	0.52	6.0	2	1097a/01
SBD2	Single leaf inward opening doorset	1.2	2.067	0.52	1.22	2	1097a/01
SBD2	Single leaf inward opening doorset with side and/or over panels	1.24	6.0	0.52	6.0	2	1097a/01
SBD D-75	Single leaf outward opening doorset	0.579	3.139	0.526	1.926	2	1097a/05
SBD D-75	Single leaf outward opening doorset with side and/or over panels	0.579	6.0	0.526	Unlimited	2	1097a/05
SBD D-75	Single leaf inward opening doorset	0.579	3.139	0.526	1.926	2	1097a/05
SBD D-75	Single leaf inward opening doorset with side and/or over panels	0.579	6.0	0.526	Unlimited	2	1097a/05
Industrial 75	Single leaf outward opening doorset	0.5	3.0	0.5	1.7	2	1097a/02
Industrial 75	Single leaf outward opening doorset with side and/or over panels	0.5	6.0	0.5	Unlimited	2	1097a/02
Industrial 75	Single leaf inward opening doorset	0.5	3.0	0.5	1.7	2	1097a/02
Industrial 75	Single leaf inward opening doorset with side and/or over panels	0.5	6.0	0.5	Unlimited	2	1097a/02
Industrial 75	Double leaf outward opening doorset	0.5	2.35	0.7	3.3	2	1097a/02
Industrial 75	Double leaf outward opening doorset with side and/or over panels	0.5	6.0	0.7	Unlimited	2	1097a/02
Industrial 75	Double leaf inward opening doorset	0.5	2.35	0.7	3.3	2	1097a/02
Industrial 75	Double leaf inward opening doorset with side and/or over panels	0.5	6.0	0.7	Unlimited	2	1097a/02
Jansen 75	Single leaf outward opening doorset	0.542	3.119	0.418	1.818	2	1097a/03
Jansen 75	Single leaf outward opening doorset with side and/or over panels	0.542	6.0	0.418	Unlimited	2	1097a/03
Jansen 75	Single leaf inward opening doorset	0.542	3.119	0.418	1.818	2	1097a/03
Jansen 75	Single leaf inward opening doorset with side and/or over panels	0.542	6.0	0.418	Unlimited	2	1097a/03

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Jansen 75	Double leaf outward opening doorset	0.582	2.35	0.754	3.404	2	1097a/03
Jansen 75	Double leaf outward opening doorset with side and/or over panels	0.582	6.0	0.754	Unlimited	2	1097a/03
Jansen 75	Double leaf inward opening doorset	0.582	2.35	0.754	3.404	2	1097a/03
Jansen 75	Double leaf inward opening doorset with side and/or over panels	0.582	6.0	0.754	Unlimited	2	1097a/03
Jansen FR 75	Single leaf outward opening doorset	0.571	3.071	0.421	1.695	2	1097a/04
Jansen FR 75	Single leaf inward opening doorset	0.571	3.071	0.421	1.695	2	1097a/04
Jansen FR 75	Double leaf outward opening doorset	0.571	2.35	0.752	3.302	2	1097a/04
Jansen FR 75	Double leaf inward opening doorset	0.571	2.35	0.752	3.302	2	1097a/04
Jansen Façade 75-Thermally Broken	Single leaf outward opening doorset	0.569	3.069	0.427	1.702	2	1097a/06
Jansen Façade 75-Thermally Broken	Single leaf outward opening doorset with side and/or over panels	0.569	6.0	0.427	Unlimited	2	1097a/06
Jansen Façade 75-Thermally Broken	Single leaf inward opening doorset	0.569	3.069	0.429	1.704	2	1097a/06
Jansen Façade 75-Thermally Broken	Single leaf inward opening doorset with side and/or over panels	0.569	6.0	0.429	Unlimited	2	1097a/06
Jansen Façade 75-Thermally Broken	Double leaf outward opening doorset	0.569	2.421	0.752	3.302	2	1097a/06
Jansen Façade 75-Thermally Broken	Double leaf outward opening doorset with side and/or over panels	0.569	6.0	0.752	Unlimited	2	1097a/06
Jansen Façade 75-Thermally Broken	Double leaf inward opening doorsets	0.569	2.421	0.752	3.302	2	1097a/06
Jansen Façade 75-Thermally Broken	Double leaf inward opening doorset with side and/or over panels	0.569	6.0	0.752	Unlimited	2	1097a/06

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Glazed Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Premier Fire Rated Fully Glazed	Single leaf outward opening doorset	2.0	2.547	0.9	1.311	2	1097a/07
Premier Fire Rated Fully Glazed	Single leaf inward opening doorset	2.0	2.547	0.9	1.311	2	1097a/07

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Hinged Security Doorsets

Product Name	Type1	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Industrial 81	Single leaf outward opening doorset	0.5	3.0	0.5	1.7	B	1097c/01
Industrial 81	Single leaf outward opening doorset with side and/or over panels	0.5	6.0	0.5	Unlimited	B	1097c/01
Industrial 81	Single leaf inward opening doorset	0.5	3.0	0.5	1.7	B	1097c/01
Industrial 81	Single leaf inward opening doorset with side and/or over panels	0.5	6.0	0.5	Unlimited	B	1097c/01
Industrial 81	Double leaf outward opening doorset	0.5	2.35	0.7	3.3	B	1097c/01
Industrial 81	Double leaf outward opening doorset with side and/or over panels	0.5	6.0	0.7	Unlimited	B	1097c/01
Industrial 81	Double leaf inward opening doorset3	0.5	2.35	0.7	3.3	B	1097c/01
Industrial 81	Double leaf inward opening doorset with side and/or over panels	0.5	6.0	0.7	Unlimited	B	1097c/01
Jansen 81	Single leaf outward opening	0.542	3.119	0.418	1.818	B	1097c/02

SECURITY DOORSETS

doorset							
Jansen 81	Single leaf outward opening doorset with side and/or over panels	0.542	6.0	0.418	Unlimited	B	1097c/02
Jansen 81	Single leaf inward opening doorset	0.542	3.119	0.418	1.818	B	1097c/02
Jansen 81	Single leaf inward opening doorset with side and/or over panels	0.542	6.0	0.418	Unlimited	B	1097c/02
Jansen 81	Double leaf outward opening doorset	0.582	2.35	0.754	3.404	B	1097c/02
Jansen 81	Double leaf outward opening doorset with side and/or over panels	0.582	6.0	0.754	Unlimited	B	1097c/02
Jansen 81	Double leaf inward opening doorset	0.582	2.35	0.754	3.404	B	1097c/02
Jansen 81	Double leaf inward opening doorset with side and/or over panels	0.582	6.0	0.754	Unlimited	B	1097c/02
Jansen FR 81	Single leaf outward opening doorset	0.571	3.071	0.421	1.695	B	1097c/03
Jansen FR 81	Single leaf inward opening doorset	0.571	3.071	0.421	1.695	B	1097c/03
Jansen FR 81	Double leaf outward opening doorset	0.571	2.35	0.752	3.302	B	1097c/03
Jansen FR 81	Double leaf inward opening doorset	0.571	2.35	0.752	3.302	B	1097c/03
Jansen Façade 81-Thermally Broken	Single leaf outward opening doorset	0.569	3.069	0.427	1.702	B	1097c/04
Jansen Façade 81-Thermally Broken	Single leaf outward opening doorset with side and/or over panels	0.569	6.0	0.427	Unlimited	B	1097c/04
Jansen Façade 81-Thermally Broken	Single leaf inward opening doorset	0.569	3.069	0.429	1.704	B	1097c/04
Jansen Façade 81-Thermally Broken	Single leaf inward opening doorset with side and/or over panels	0.569	6.0	0.429	Unlimited	B	1097c/04
Jansen Façade 81-Thermally Broken	Double leaf outward opening doorset	0.569	2.421	0.752	3.302	B	1097c/04
Jansen Façade 81-Thermally Broken	Double leaf outward opening doorset with side and/or over panels	0.569	6.0	0.752	Unlimited	B	1097c/04
Jansen Façade 81-Thermally Broken	Double leaf inward opening doorset	0.569	2.421	0.752	3.302	B	1097c/04
Jansen Façade 81-Thermally Broken	Double leaf inward opening doorset with side and/or over panels	0.569	6.0	0.752	Unlimited	B	1097c/04
SBD2-81	Single leaf outward opening doorset	1.2	2.067	0.52	1.22	B	1097c/05
SBD2-81	Single leaf outward opening doorset with side and/or over panels	1.24	6.0	0.52	6.0	B	1097c/05
SBD2-81	Single leaf inward opening doorset	1.2	2.067	0.52	1.22	B	1097c/05
SBD2-81	Single leaf inward opening doorset with side and/or over panels	1.24	6.0	0.52	6.0	B	1097c/05
SBD D-81	Single leaf outward opening doorset	0.579	3.139	0.526	1.926	B	1097c/06
SBD D-81	Single leaf outward opening doorset with side and/or over panels	0.579	6.0	0.526	Unlimited	B	1097c/06
SBD D-81	Single leaf inward opening doorset	0.579	3.139	0.526	1.926	B	1097c/06
SBD D-81	Single leaf inward opening doorset with side and/or over panels	0.579	6.0	0.526	Unlimited	B	1097c/06

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade-C5-Curtain Walling Doorset	Single leaf outward opening doorset	0.57	6.07	0.43	1.7	C5 (SR3)	1097g/01
Jansen Façade-	Single leaf outward opening	0.57	6.07	0.82	Unlimited	C5	1097g/01

SECURITY DOORSETS

C5-Curtain Walling Doorset	doorset with side panel						(SR3)	
Jansen Façade-C5-Curtain Walling Doorset	Single leaf inward opening doorset	0.57	6.07	0.43	1.7	C5 (SR3)	1097g/01	
Jansen Façade-C5-Curtain Walling Doorset	Single leaf inward opening doorset with side panel	0.57	6.07	0.82	Unlimited	C5 (SR3)	1097g/01	
Jansen Façade-C5-Curtain Walling Doorset	Double leaf outward opening doorset	0.57	3.06	0.69	3.28	C5 (SR3)	1097g/01	
Jansen Façade-C5-Curtain Walling Doorset	Double leaf outward opening doorset with side panel	0.57	3.06	1.08	Unlimited	C5 (SR3)	1097g/01	
Jansen Façade-C5-Curtain Walling Doorset	Double leaf inward opening doorset	0.57	3.06	1.08	3.28	C5 (SR3)	1097g/01	
Jansen Façade-C5-Curtain Walling Doorset	Double leaf inward opening doorset with side panel	0.57	3.06	1.08	Unlimited	C5 (SR3)	1097g/01	

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade-D10-Curtain Walling Doorset	Single leaf outward opening doorset	0.57	6.07	0.43	1.7	D10 (SR4)	1097j/01
Jansen Façade-D10-Curtain Walling Doorset	Single leaf outward opening doorset with side panels	0.57	6.07	0.82	Unlimited	D10 (SR4)	1097j/01
Jansen Façade-D10-Curtain Walling Doorset	Double leaf outward opening doorset	0.57	3.06	0.69	3.28	D10 (SR4)	1097j/01
Jansen Façade-D10-Curtain Walling Doorset	Double leaf outward opening doorset with side panels	0.57	3.06	1.08	Unlimited	D10 (SR4)	1097j/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Prestige Secure 1	Single leaf inward opening hinged security doorset	0.5	2.085	0.4	1.015	1	1066a/02
Prestige Secure 1	Single leaf outward opening hinged security doorset	0.5	2.085	0.4	1.015	1	1066a/02
Prestige Secure 2	Single leaf inward opening hinged security doorset	0.5	2.085	0.4	1.015	2	1066a/01
Prestige Secure 2	Single leaf outward opening hinged security doorset	0.5	2.085	0.4	1.015	2	1066a/01

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Certificate No: 1328b to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Defender	Single leaf outward opening	0.65	2.20	0.4	1.5	3	1328b/01

SECURITY DOORSETS

GRP doorset							
Defender	Single leaf outward opening padlockable GRP doorset	0.80	2.65	0.6	1.7	3	1328b/01
Defender	Double leaf outward opening GRP doorset	0.65	2.20	0.8	2.5	3	1328b/01
Defender	Double leaf outward opening padlockable GRP doorset	0.80	2.65	1.0	2.7	3	1328b/01

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Hinged Louvred Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Herculouvre Door 3	Single leaf outward opening hinged louvred doorset	1.06	3.0	0.6	1.55	C5 (SR3)	953ab/01
Herculouvre Door 3	Double leaf outward opening hinged louvred doorset	1.06	3.0	1.2	3.0	C5 (SR3)	953ab/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
MK.II Hercules SAF 3	Single leaf, outward opening hinged security doorset fitted with single point locking hardware	0.62	3.152	0.688	1.508	3	953d/02
MK.II Hercules SAF 3	Single leaf, outward opening hinged security doorset fitted with multi-point locking hardware	1.112	3.152,3	0.688	1.508	3	953d/02
MK.II Hercules SAF 3	Double leaf, outward opening hinged security doorset fitted with single point locking hardware on the active leaf	0.62	3.152,3	1.288	3.0	3	953d/02
MK.II Hercules SAF 3	Double leaf, outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf	1.112	3.152,3	1.288	3.04	3	953d/02
MK.II Hercules SAF 4	Single leaf, outward opening hinged security doorset fitted with single point locking hardware	0.62	3.152	0.688	1.508	4	953d/03
MK.II Hercules SAF 4	Single leaf, outward opening hinged security doorset fitted with multi-point locking hardware	1.112	3.152,5	0.688	1.5085	4	953d/03
MK.II Hercules SAF 4	Double leaf, outward opening hinged security doorset fitted with single point locking hardware on the active leaf	0.62	3.152	1.288	3.0	4	953d/03
MK.II Hercules SAF 4	Double leaf, outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf	1.112	3.152,6	1.288	3.06	4	953d/03
Taurus SAF 3	Single leaf outward opening padlockable hinged security doorset	0.62	2.922	0.688	1.508	3	953d/04
Taurus SAF 3	Double leaf outward opening padlockable hinged security doorset	0.62	2.922	1.288	2.858	3	953d/04
Taurus SAF 4	Single leaf outward opening padlockable hinged security doorset	0.62	2.922	0.688	1.508	4	953d/05
Taurus SAF 4	Double leaf outward opening padlockable hinged security doorset	0.62	2.922	1.288	2.858	4	953d/05
Hercules Lite SR2	Single leaf outward opening hinged security doorset	0.6	2.75	0.6	1.3	2	953d/06
Hercules Lite SR2	Single leaf outward opening hinged security doorset with over panels	1.1	4.25	0.6	1.3	2	953d/06
Hercules Lite SR2	Double leaf outward opening hinged security doorset	0.6	2.75	1.2	2.5	2	953d/06
Hercules Lite SR2	Double leaf outward opening hinged security doorset with over panels1	1.1	4.25	1.2	2.5	2	953d/06
Hercules Lite SR3	Single leaf outward opening hinged security doorset	0.6	2.75	0.6	1.3	3	953d/07
Hercules Lite SR3	Single leaf outward opening hinged security doorset with over panels	1.1	4.25	0.6	1.3	3	953d/07

SECURITY DOORSETS

Hercules Lite SR3	Double leaf outward opening hinged security doorset1	0.6	2.75	1.2	2.5	3	953d/07
Hercules Lite SR3	Double leaf outward opening hinged security doorset with over panels1	1.1	4.25	1.2	2.5	3	953d/07

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules Lite 2	Single leaf outward opening hinged security doorset	0.6	2.75	0.6	1.3	B3 (SR2)	953w/01
Hercules Lite 2	Single leaf outward opening hinged security doorset with overpanels	1.1	4.25	0.6	1.3	B3 (SR2)	953w/01
Hercules Lite 2	Double leaf outward opening hinged security doorset	0.6	2.75	1.2	2.5	B3 (SR2)	953w/01
Hercules Lite 2	Double leaf outward opening hinged security doorset with overpanels	1.1	4.25	1.2	2.5	B3 (SR2)	953w/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Mk.II Hercules SAF 4	Single leaf outward opening hinged security doorset fitted with single point locking hardware	0.6	3.15	0.688	1.508	D10 (SR4)	953x/01
Mk.II Hercules SAF 4	Single leaf outward opening hinged security doorset fitted with multi-point locking hardware	1.11	3.15	0.688	1.508	D10 (SR4)	953x/01
Mk.II Hercules SAF 4	Double leaf outward opening hinged security doorset fitted with single point locking hardware on the active leaf	0.6	3.15	1.288	3.0	D10 (SR4)	953x/01
Mk.II Hercules SAF 4	Double leaf outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf	1.11	3.15	1.288	3.0	D10 (SR4)	953x/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Taurus SAF 4	Single leaf outward opening padlockable hinged security doorset	0.6	2.92	0.688	1.508	D10 (SR4)	953y/01
Taurus SAF 4	Double leaf outward opening padlockable hinged security doorset	0.6	2.92	1.288	2.85	D10 (SR4)	953y/01

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Hinged Louvred Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Herculouvre Door 2	Single leaf outward opening hinged louvred doorset	1.06	3.0	0.6	1.55	B3 (SR2)	953z/01
Herculouvre Door 2	Double leaf outward opening hinged louvred doorset	1.06	3.0	1.2	3.0	B3 (SR2)	953z/01

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Certificate No: 1034b to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Security	Single leaf outward opening	1.8	2.75	0.8	1.4	4	1034b/01

SECURITY DOORSETS

Evo IV	hinged security doorset						
Security Evo IV	Double leaf outward opening hinged security doorset	1.8	2.75	1.4	2.785	4	1034b/01
Security Evo V	Single leaf outward opening hinged security doorset	1.8	2.53	0.8	1.4	5	1034b/02
Security Evo V	Double leaf outward opening hinged security doorset	1.8	2.53	1.4	2.785	5	1034b/02
Security Evo VI	Single leaf outward opening hinged security doorset	1.8	2.53	0.8	1.4	6	1034b/03
Security Evo VI	Double leaf outward opening hinged security doorset	1.8	2.53	1.4	2.785	6	1034b/03
Security Evo III	Single leaf outward opening hinged security doorset	1.8	2.75	0.8	1.4	3	1034b/04
Security Evo III	Double leaf outward opening hinged security doorset	1.8	2.75	1.4	2.785	3	1034b/04

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Rhino-HF+2	Single leaf outward opening security doorset	1.0	2.43	0.74	1.18	2	1547a/01
Rhino-HF+2	Single leaf outward opening security doorset with side and/or overpanels	1.0	3.93	0.74	4.18	2	1547a/01
Rhino-HF+2	Double leaf outward opening security doorset2	1.0	2.43	1.15	2.20	2	1547a/01
Rhino-HF+2	Double leaf outward opening security doorset with side and/or overpanels2	1.0	3.39	1.15	5.20	2	1547a/01
Rhino-WT+2	Single leaf outward opening security doorset	1.4	2.45	0.8	1.4	2	1547a/02
Rhino-WT+2	Double leaf outward opening security doorset3	1.4	2.45	1.3	2.7	2	1547a/02
Rhino-HF+3	Single leaf outward opening security doorset	1.04	2.935	0.66	1.437	3	1547a/03
Rhino-HF+3	Single leaf outward opening security doorset with removeable overpanel	1.24	4.135	0.66	1.437	3	1547a/03
Rhino-HF+3	Single leaf inward opening security doorset	1.0	2.93	0.6	1.43	3	1547a/03
Rhino-HF+3	Single leaf inward opening security doorset with removeable overpanel	1.2	4.13	0.6	1.43	3	1547a/03
Rhino-HF+3	Double leaf outward opening security doorset3	1.04	2.935	0.99	2.610	3	1547a/03
Rhino-HF+3	Double leaf outward opening security doorset with removeable overpanel	1.24	4.135	0.99	2.610	3	1547a/03
Rhino-HF+3	Double leaf inward opening security doorset	1.0	2.93	0.9	2.6	3	1547a/03
Rhino-HF+3	Double leaf inward opening security doorset with removeable overpanel	1.2	4.13	0.9	2.6	3	1547a/03
Rhino-WT+3	Single leaf outward opening security doorset	1.4	2.45	0.8	1.4	3	1547a/04
Rhino-WT+3	Double leaf outward opening security doorset3	1.4	2.45	1.3	2.7	3	1547a/04
Rhino-HF+4	Single leaf outward opening security doorset	1.0	2.93	0.6	1.43	4	1547a/05
Rhino-HF+4	Single leaf outward opening security doorset with side and/or overpanels	1.0	4.43	0.6	2.93	4	1547a/05
Rhino-HF+4	Single leaf inward opening security doorset	1.0	2.93	0.6	1.43	4	1547a/05
Rhino-HF+4	Single leaf inward opening security doorset with side and/or overpanels	1.0	4.43	0.6	2.93	4	1547a/05
Rhino-HF+4	Double leaf outward opening security doorset3	1.0	2.93	0.9	2.6	4	1547a/05
Rhino-HF+4	Double leaf outward opening security doorset with side and/or overpanels	1.0	4.43	0.9	4.1	4	1547a/05
Rhino-WT+4	Single leaf outward opening security doorset	1.4	2.45	0.8	1.4	4	1547a/06
Rhino-WT+4	Double leaf outward opening security doorset3	1.4	2.45	1.3	2.7	4	1547a/06

SECURITY DOORSETS

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Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Rhino-SFL	Automatic sliding folding doorset	2.0	7.0	1.2	13.8	G5	1547b/01

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Certificate No: 1070a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
TUFF-DOR2	Single leaf outward opening hinged security doorset	1.5	2.61	0.5	1.25	2	1070a/01
TUFF-DOR2	Double leaf outward opening hinged security doorset	1.5	2.61	1.3	2.5	2	1070a/01
TUFF-DOR3	Single leaf outward opening hinged security doorset	1.8	2.5	0.7	1.3	3	1070a/02
TUFF-DOR3	Double leaf outward opening hinged security doorset with unequal leafs2	1.8	2.5	1.3	1.8	3	1070a/02
TUFF-DOR3	Double leaf outward opening hinged security doorset with equal leafs	1.8	2.5	1.3	2.5	3	1070a/02
TUFF-DOR4	Single leaf outward opening hinged security doorset	1.8	2.53	0.7	1.3	4	1070a/03
TUFF-DOR4	Double leaf outward opening hinged security doorset with unequal leafs2	1.8	2.53	1.3	1.8	4	1070a/03
TUFF-DOR4	Double leaf outward opening hinged security doorset with equal leafs	1.8	2.53	1.3	2.5	4	1070a/03
TUFF-DOR2	Single leaf outward opening hinged security doorset with overpanel	1.924	4.611	0.5	1.25	2	1070a/01
TUFF-DOR2	Double leaf outward opening hinged security doorset with overpanel	1.924	4.611	1.3	2.5	2	1070a/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
TUFF-DOR 2.1	Single leaf outward opening hinged doorset	0.51	2.75	0.52	1.41	B3 (SR2)	1070b/01
TUFF-DOR 2.1	Double leaf outward opening hinged doorset	0.51	2.75	0.94	2.52	B3 (SR2)	1070b/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
OUTA-DOR	Single leaf outward opening hinged doorset	1.31	3.01	0.32	1.51	A1 (SR1)	1070c/01
OUTA-DOR	Single leaf outward opening hinged doorset with side and/or over panel	1.31	4.51	0.32	2.51	A1 (SR1)	1070c/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
INNA-DOR	Single leaf outward opening hinged doorset	1.31	3.01	0.32	1.51	A1 (SR1)	1070d/01
INNA-DOR	Single leaf outward opening hinged doorset with side and/or over panel	1.31	4.51	0.32	2.51	A1 (SR1)	1070d/01

SECURITY DOORSETS

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
TUFF-DOR 3.1	Single leaf outward opening plain leafed doorset	1.0	2.93	0.6	1.43	3	1070e/01
TUFF-DOR 3.1	Single leaf outward opening louvred doorset	1.745	2.43	0.74	1.18	3	1070e/01
TUFF-DOR 3.1	Single leaf outward opening hinged security doorset with removable over panel	1.2	4.13	0.6	1.43	3	1070e/01
TUFF-DOR 3.1	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1070e/01
TUFF-DOR 3.1	Single leaf inward opening hinged doorset with removable over panel	1.2	4.13	0.6	1.43	3	1070e/01
TUFF-DOR 3.1	Double leaf outward opening plain leafed doorset	1.0	2.93	0.9	2.6	3	1070e/01
TUFF-DOR 3.1	Double leaf outward opening louvred doorset	1.745	2.43	1.15	2.2	3	1070e/01
TUFF-DOR 3.1	Double leaf outward opening hinged doorset with removable over panel	1.2	4.13	0.9	2.6	3	1070e/01
TUFF-DOR 3.1	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1070e/01
TUFF-DOR 3.1	Double leaf inward opening hinged doorset security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1070e/01
TUFF-DOR 4.1	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1070e/02
TUFF-DOR 4.1	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1070e/02
TUFF-DOR 4.1	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1070e/02
TUFF-DOR 4.1	Single leaf inward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1070e/02
TUFF-DOR 4.1	Double leaf outward opening hinged doorset	1.0	2.93	0.9	2.6	4	1070e/02
TUFF-DOR 4.1	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1070e/02

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Certificate No: 1677a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SecureDefend 1	Single leaf, outward opening hinged security doorset	1.8	2.44	0.6	1.44	1	1677a/01
SecureDefend 1	Double leaf, outward opening hinged security doorset	1.8	2.44	1.1	2.8	1	1677a/01
SecureDefend 1	Single leaf, outward opening hinged security doorset incorporating overpanels	2.29	3.44	0.6	1.44	1	1677a/01
SecureDefend 1	Double leaf, outward opening hinged security doorset incorporating overpanels	2.29	3.44	1.1	2.8	1	1677a/01
SecureDefend 2	Single leaf, outward opening hinged security doorset	1.5	3.1	0.6	1.44	2	1677a/02
SecureDefend 2	Double leaf, outward opening hinged security doorset	1.5	3.1	1.1	2.8	2	1677a/02
SecureDefend 2	Single leaf, outward opening hinged security doorset incorporating overpanels	1.99	4.1	0.6	1.44	2	1677a/02
SecureDefend 2	Double leaf, outward opening hinged security doorset incorporating overpanels	1.99	4.1	1.1	2.8	2	1677a/02
SecureDefend 3	Single leaf, outward opening hinged security doorset	1.5	3.06	0.75	1.4	3	1677a/03
SecureDefend 3	Double leaf, outward opening hinged security doorset	1.5	3.06	1.5	2.51	3	1677a/03
SecureDefend	Single leaf, outward opening hinged	2.4	4.06	0.75	1.4	3	1677a/03

SECURITY DOORSETS

3	security doorset incorporating overpanels						
SecureDefend 3	Double leaf, outward opening hinged security doorset incorporating overpanels	2.4	4.06	1.5	2.51	3	1677a/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SecureDefend 4	Single leaf, outward opening doorsets	1.0	2.752	0.5	1.284	D10 (SR4)	1677b/01
SecureDefend 4	Double leaf, outward opening doorsets	1.0	2.752	0.9	2.492	D10 (SR4)	1677b/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Ro+Flex (Janisol)	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset	0.75	2.8	0.7	1.49	B	1677c/01
Ro+Flex (Janisol)	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with a single side panel2 and/or over panel	1.05	3.9	1.05	2.87	B	1677c/01
Ro+Flex (Janisol)	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with two side panels3 with or without an over panel	1.05	3.9	1.05	4.29	B	1677c/01
Ro+Flex (Economy 60)	Single leaf inward or outward opening fully glazed hinged security doorset	0.75	2.8	0.7	1.49	B	1677c/02
Ro+Flex (Economy 60)	Single leaf inward or outward opening fully glazed hinged security doorset1 with a single side panel2 and/or over panel	1.05	3.9	1.05	2.87	B	1677c/02
Ro+Flex (Economy 60)	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with two side panels3 with or without an over panel	1.05	3.9	1.05	4.29	B	1677c/02

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Ro+Flex2 (Janisol)	Single leaf outward or inward opening fully glazed hinged doorset	0.75	3.0	0.7	1.3	B3 (SR2)	1677d/01
Ro+Flex2 (Janisol)	Single leaf outward or inward opening fully glazed hinged doorset with side panel(s) and/or over panel	0.75	4.4	0.7	Unlimited	B3 (SR2)	1677d/01
Ro+Flex2 (Janisol)	Double leaf outward or inward opening fully glazed hinged doorset	0.75	2.75	1.4	2.63	B3 (SR2)	1677d/01
Ro+Flex2 (Janisol)	Double leaf outward or inward opening fully glazed hinged doorset with side panel(s) and/or over panel	0.75	4.15	1.4	Unlimited	B3 (SR2)	1677d/01
Ro+Flex2 (Economy 60)	Single leaf outward or inward opening fully glazed hinged doorset	0.75	3.0	0.7	1.3	B3 (SR2)	1677d/02
Ro+Flex2 (Economy 60)	Single leaf outward or inward opening fully glazed hinged doorset with side panel(s) and/or over panel	0.75	4.4	0.7	Unlimited	B3 (SR2)	1677d/02
Ro+Flex2 (Economy 60)	Double leaf outward or inward opening fully glazed hinged doorset	0.75	2.75	1.4	2.63	B3 (SR2)	1677d/02
Ro+Flex2 (Economy 60)	Double leaf outward or inward opening fully glazed hinged doorset with side panel(s) and/or over panel	0.75	4.15	1.4	Unlimited	B3 (SR2)	1677d/02

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SECURITY DOORSETS

Certificate No: 1617b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Stronghold Lev. 4	Single leaf outward opening doorset	1.8	2.105	0.90	1.108	D10 (SR4)	1617b/01

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Certificate No: 1638a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Height (m)	Security Rating	LPCB Ref. No.
Secure Suite ST2	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	1638a/01
Secure Suite ST2	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	1638a/01
Secure Suite ST2	Single leaf inward opening doorset	1.0	2.93	0.6	1.43	2	1638a/01
Secure Suite ST2	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43	2	1638a/01
Secure Suite ST2	Double leaf outward opening doorset1	1.0	2.43	1.15	2.2	2	1638a/01
Secure Suite ST2	Double leaf outward opening doorset with side and/or over panels1	1.0	3.93	1.15	5.2	2	1638a/01
Secure Suite ST2	Double leaf inward opening doorset	1.0	2.93	0.9	2.6	2	1638a/01
Secure Suite ST2	Double leaf inward opening doorset with removable over panel	1.2	4.13	0.9	2.6	2	1638a/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Height (m)	Security Rating	LPCB Ref. No.
Secure Suite ST3	Single leaf outward opening plain leafed doorset	1.01	2.931 2.931 2.932	0.63	1.434	3	1638b/01
Secure Suite ST3	Single leaf outward opening hinged doorset with removable over panel	1.21	4.132	0.63	1.434	3	1638b/01
Secure Suite ST3	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	3	1638b/01
Secure Suite ST3	Single leaf inward opening hinged doorset with removable over panel	1.2	4.13	0.6	1.43	3	1638b/01
Secure Suite ST3	Double leaf outward opening plain leafed doorset6	1.01	2.932	0.97	2.68	3	1638b/01
Secure Suite ST3	Double leaf outward opening hinged security doorset with removable over panel	1.21	4.132	0.97	2.68	3	1638b/01
Secure Suite ST3	Double leaf inward opening hinged doorset	1.0	2.93	0.9	2.6	3	1638b/01
Secure Suite ST3	Double leaf inward opening hinged doorset security doorset with removable over panel	1.2	4.13	0.9	2.6	3	1638b/01
Secure	Single leaf outward opening hinged doorset	1.0	2.93	0.6	1.43	4	1638b/02

SECURITY DOORSETS

Suite ST4								
Secure Suite ST4	Single leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1638b/02	
Secure Suite ST4	Single leaf inward opening hinged doorset	1.0	2.93	0.6	1.43	4	1638b/02	
Secure Suite ST4	Single leaf inward opening doorset with side and/or over panels	1.0	4.43	0.6	2.93	4	1638b/02	
Secure Suite ST4	Double leaf outward opening doorset6	1.0	2.93	0.9	2.6	4	1638b/02	
Secure Suite ST4	Double leaf outward opening hinged doorset with side and/or over panels	1.0	4.43	0.9	4.1	4	1638b/02	

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SDF005	Single leaf inward opening doorset	1.990	2.550	0.800	1.300	C5 (SR3)	1776a/01
SDF005	Single leaf outward opening doorset	1.990	2.550	0.800	1.300	C5 (SR3)	1776a/01

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Certificate No: 516a to LPS 1175: Issue 5

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Wilton	Double leaf, outward opening hinged security doorset	1.9	3.2	1.4	3.0	4	516a/06
Halton	Double leaf, outward opening hinged security doorset	1.9	3.2	1.4	3.0	4	516a/07

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hendon	Single leaf inward opening doorset	1.0	3.24	0.6	1.4	2	516c/01
Hendon	Single leaf outward opening doorset	1.0	3.2	0.6	1.4	2	516c/01
Hendon	Double leaf inward opening doorset	1.0	3.2	1.4	3.0	2	516c/01
Hendon	Double leaf outward opening doorset	1.0	3.25	1.4	3.0	2	516c/01
Sandhurst	Single leaf inward opening doorset	1.0	3.26	0.6	1.4	3	516c/02
Sandhurst	Single leaf outward opening doorset	1.0	3.2	0.6	1.4	3	516c/02
Sandhurst	Double leaf inward opening doorset	1.0	3.27	1.4	3.0	3	516c/02
Sandhurst	Double leaf outward	1.0	3.2	1.4	3.0	3	516c/02

SECURITY DOORSETS

	opening doorset						
Wilton	Single leaf inward opening doorset	1.468	3.2	0.6	1.4	4	516c/03
Wilton	Single leaf outward opening doorset	1.0	3.2	0.6	1.4	4	516c/03
Wilton	Double leaf inward opening doorset	1.468	3.2	1.2	3.0	4	516c/03
Halton	Single leaf inward opening doorset	1.468	3.2	0.6	1.4	4	516c/04
Halton	Single leaf outward opening doorset	1.0	3.2	0.6	1.4	4	516c/04
Halton	Double leaf inward opening doorset	1.468	3.2	1.2	3.0	4	516c/04

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Hinged Security Doorset

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Hendon	Single leaf inward opening doorset	1.0	3.2	0.6	1.4	B3 (SR2)	516i/01
Hendon	Single leaf outward opening doorset	1.0	3.2	0.6	1.4	B3 (SR2)	516i/01
Hendon	Double leaf inward opening doorset	1.0	3.2	1.4	3.0	B3 (SR2)	516i/01
Hendon	Double leaf outward opening doorset	1.0	3.2	1.4	3.0	B3 (SR2)	516i/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Dartmouth	Single leaf outward opening hinged doorset	1.468	3.2	0.6	1.4	E10 (SR5)	516m/01

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Sandhurst	Single leaf inward opening hinged doorset	1.0	3.2	0.6	1.4	C5 (SR3)	516n/01
Sandhurst	Single leaf outward opening hinged doorset	1.0	3.2	0.6	1.4	C5 (SR3)	516n/01
Sandhurst	Double leaf inward opening hinged doorset	1.0	3.2	1.4	3.0	C5 (SR3)	516n/01
Sandhurst	Double leaf outward opening hinged doorset	1.0	3.2	1.4	3.0	C5 (SR3)	516n/01

Certificate No: 516p to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Wilton	Single leaf inward opening hinged doorset	1.468	3.2	0.6	1.4	D10 (SR4)	516p/01
Wilton	Single leaf outward opening hinged doorset	1.0	3.2	0.6	1.4	D10 (SR4)	516p/01
Wilton	Double leaf inward opening hinged doorset	1.468	3.2	1.2	3.0	D10 (SR4)	516p/01
Wilton	Double leaf outward opening hinged doorset	1.0	3.2	1.2	3.0	D10 (SR4)	516p/01

Certificate No: 516q to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Halton	Single leaf inward opening hinged doorset	1.468	3.2	0.6	1.4	D10 (SR4)	516q/01
Halton	Single leaf outward opening	1.0	3.2	0.6	1.4	D10	516q/01

SECURITY DOORSETS

hinged doorset							(SR4)
Halton	Double leaf inward opening hinged doorset	1.468	3.2	1.2	3.0	D10 (SR4)	516q/01
Halton	Double leaf outward opening hinged doorset	1.0	3.2	1.2	3.0	D10 (SR4)	516q/01

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Hinged Security Doorsets

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Attack Rating	LPCB Ref. No.
Richmond	A	Single leaf inward opening doorset	1.01	2.504	0.51	1.326	A300E	516s/01
Richmond	B	Single leaf inward opening doorset	1.01	2.504	0.51	1.326	B300E	516s/02
Richmond	C	Single leaf inward opening doorset	1.01	2.504	0.51	1.326	C300E	516s/03
Richmond	D	Single leaf inward opening doorset	1.01	2.504	0.51	1.326	D300E	516s/04

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Certificate No: 1071a to LPS 1175: Issue 7

Hinged Mesh Panel Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Steelway Level 1 Single Leaf Mesh Security Doorset	Single leaf outward opening mesh panel doorset	1.0	2.4	0.6	1.3	1	1071a/01
Steelway Level 1 Double Leaf Mesh Security Doorset	Double leaf outward opening mesh panel doorset	1.0	2.4	1.2	2.6	1	1071a/02
Steelway Level 2 Single Leaf Mesh Security Doorset	Single leaf outward opening mesh panel doorset	1.0	2.4	0.6	1.3	2	1071a/03
Steelway Level 2 Double Leaf Mesh Security Doorset	Double leaf outward opening mesh panel doorset	1.0	2.4	1.2	2.6	2	1071a/04
Steelway Level 3 Single Leaf Mesh Security Doorset	Single leaf outward opening mesh panel doorset	1.0	2.4	0.6	1.3	3	1071a/05
Steelway Level 3 Double Leaf Mesh Security Doorset	Double leaf outward opening mesh panel doorset	1.0	2.4	1.2	2.6	3	1071a/06

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Hinged Security Doorsets

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Steelway Level 4 Single Leaf Security Doorset	Single leaf outward opening plain leaf doorset	1.0	2.4	0.6	1.3	4	1071d/01
Steelway Level 4 Double Leaf Security Doorset	Double leaf outward opening plain leaf doorset	1.0	2.4	1.2	2.6	4	1071d/02

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Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Protect Prodor 1	Single leaf outward opening hinged security doorset	0.6	2.5	0.6	1.245	1	1071h/01
Protect Prodor 1	Double leaf outward opening hinged security doorset	0.6	2.54	1.45	2.495	1	1071h/01
Protect Prodor 2	Single leaf outward opening hinged security doorset	0.6	2.5	0.6	1.245	2	1071h/02

SECURITY DOORSETS

Protect Prodor 2	Double leaf outward opening hinged security doorset	0.6	2.54	1.45	2.495	2	1071h/02
Protect Prodor 3	Single leaf outward opening hinged security doorset	1.75	3.445	0.8	1.45	3	1071h/03
Protect Prodor 3	Double leaf outward opening hinged security doorset	1.75	3.445	1.45	3.08	3	1071h/03
Protect Prodor 4	Single leaf outward opening hinged security doorset	1.75	2.6	0.8	1.45	4	1071h/04
Protect Prodor 4	Double leaf outward opening hinged security doorset	1.75	2.6	1.45	2.6	4	1071h/04
Protect Prodor 5	Single leaf outward opening hinged security doorset	1.75	2.6	0.8	1.45	5	1071h/05
Protect Prodor 5	Double leaf outward opening hinged security doorset	1.75	2.6	1.45	2.6	5	1071h/05

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Certificate No: 1542a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Securidor S1	Single leaf outward opening hinged security doorset	1.8	2.44	0.6	1.44	1	1542a/01
Securidor S1	Double leaf outward opening hinged security doorset	1.8	2.44	1.1	2.8	1	1542a/01
Securidor S1	Single leaf outward opening hinged security doorset incorporating overpanels	2.29	3.44	0.6	1.44	1	1542a/01
Securidor S1	Double leaf outward opening hinged security doorset incorporating overpanels	2.29	3.44	1.1	2.8	1	1542a/01
Securidor S2	Single leaf outward opening hinged security doorset	1.5	2.44	0.6	1.44	2	1542a/02
Securidor S2	Double leaf outward opening hinged security doorset1	1.5	2.44	1.1	2.8	2	1542a/02
Securidor S2	Single leaf outward opening hinged security doorset incorporating overpanels	1.99	3.44	0.6	1.44	2	1542a/02
Securidor S2	Double leaf outward opening hinged security doorset incorporating overpanels	1.99	3.44	1.1	2.8	2	1542a/02
Securidor S3	Single leaf outward opening hinged security doorset	1.5	3.06	0.75	1.4	3	1542a/03
Securidor S3	Double leaf outward opening hinged security doorset	1.5	3.06	1.5	2.51	3	1542a/03
Securidor S3	Single leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	0.75	1.4	3	1542a/03
Securidor S3	Double leaf outward opening hinged security doorset incorporating overpanels	2.4	4.06	1.5	2.51	3	1542a/03

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Hinged Glazed Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Lumidor SRB	Single leaf inward or outward opening fully glazed hinged security doorset	0.75	2.5	0.7	1.49	B	1542b/01
Lumidor SRB	Single leaf inward or outward opening fully glazed hinged security doorset1 with a single side panel and/or overpanel	1.05	3.9	1.05	2.87	B	1542b/01
Lumidor SRB	Single leaf inward or outward opening fully glazed hinged security doorset1 with two side panels with or without an overpanel	1.05	3.9	1.05	4.29	B	1542b/01
Lumidor SRB+	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset	0.75	2.5	0.7	1.49	B	1542b/02
Lumidor SRB+	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with a single side panel and/or overpanel	1.05	3.9	1.05	2.87	B	1542b/02
Lumidor SRB+	Single leaf inward or outward opening fully glazed thermally broken hinged security doorset1 with two side panels with or without an overpanel	1.05	3.9	1.05	4.29	B	1542b/02

Certificate No: 1542c to LPS 1175: Issue 8

SECURITY DOORSETS

Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Securidor S4	Single leaf outward opening doorsets	1.0	2.752	0.5	1.284	D10 (SR4)	1542c/01
Securidor S4	Double leaf outward opening doorsets	1.0	2.752	0.9	2.492	D10 (SR4)	1542c/01

Certificate No: 1542d to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Securidor S2	Single leaf outward opening doorsets	1.06	2.7	0.51	1.32	A5 and B3 (SR2)	1542d/01
Securidor S2	Double leaf outward opening doorsets	1.06	2.7	0.91	2.2	A5 and B3 (SR2)	1542d/01

Certificate No: 1542e to LPS 1673: Issue 1

Hinged Security Doorsets

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Attack Rating	LPCB Ref. No.
Attackdor	A	Single leaf inward opening doorset	1.975	2.715	0.605	1.315	A300	1542e/01
Attackdor	B	Single leaf inward opening doorset	1.975	2.715	0.605	1.315	B180E	1542e/02
Attackdor	C	Single leaf inward opening doorset	1.975	2.715	0.605	1.315	B300E	1542e/03

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Certificate No: 234d: Part 1 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExecDoor 1	Single leaf outward opening hinged security doorset	1.8	2.44	0.6	1.44	1	234d/17
ExecDoor 1	Double leaf outward opening hinged security doorset	1.8	2.44	1.1	2.8	1	234d/17
ExecDoor 1	Single leaf outward opening hinged security doorset incorporating over panels	2.29	3.44	0.6	1.44	1	234d/17
ExecDoor 1	Double leaf outward opening hinged security doorset incorporating over panels	2.29	3.44	1.1	2.8	1	234d/17

Certificate No: 234d: Part 2 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExecDoor 2	Single leaf outward opening hinged security doorset	1.5	3.1	0.6	1.44	2	234d/03
ExecDoor 2	Double leaf outward opening hinged security doorset	1.5	3.1	1.1	2.8	2	234d/03
ExecDoor 2	Single leaf outward opening hinged security doorset incorporating overpanels	1.99	4.1	0.6	1.44	2	234d/03
ExecDoor 2	Double leaf outward opening hinged security doorset incorporating overpanels	1.99	4.1	1.1	2.8	2	234d/03

Certificate No: 234d: Part 3 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
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SECURITY DOORSETS

ExcluDoor 3 Mk2	Single leaf outward opening hinged security doorset	1.8	3.075 ¹	0.75	1.24	3	234d/01
ExcluDoor 3 Mk2	Double leaf outward opening hinged security doorset	1.8	3.075 ¹	1.24	2.4	3	234d/01
ExcluDoor 3 Mk3 F.R.	Single leaf outward opening hinged security doorset	1.8	2.75 ³	0.75	1.24	3	234d/13
ExcluDoor 3 Mk3 F.R.	Double leaf outward opening hinged security doorset	1.8	2.75 ³	1.24	2.4	3	234d/13
ExcluDoor 3 Mk2	Single leaf inward opening hinged security doorset	1.8	3.075 ¹	0.75	1.24	3	234d/01
ExcluDoor 3 MK2	Double leaf inward opening hinged security doorset	1.8	3.075	1.24	2.4	3	234d/01

Certificate No: 234d: Part 4 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 4 Mk2	Single leaf outward opening hinged security doorset	1.01	3.0752	0.75	1.24	4	234d/05
ExcluDoor 4 Mk2	Double leaf outward opening hinged security doorset	1.8	3.0752	1.24	2.4	4	234d/05
ExcluDoor 4 Mk2 F.R.	Single leaf outward opening hinged security doorset	1.8	2.755	0.75	1.24	4	234d/07
ExcluDoor 4 Mk2 F.R.	Double leaf outward opening hinged security doorset	1.8	2.755	1.24	2.4	4	234d/07
ExcluDoor 4 Mk3	Single leaf outward opening hinged security doorset	1.8	2.4	0.75	1.24	4	234d/11
ExcluDoor 4 Mk3	Double leaf outward opening hinged security doorset	1.8	2.4	1.24	2.4	4	234d/11
ExcluDoor 4 Mk2	Single leaf inward opening hinged security doorset	1.8	3.075	0.75	1.24	4	234d/05
ExcluDoor 4 Mk2	Double leaf inward opening hinged security doorset	1.8	3.075	1.24	2.4	4	234d/05

Certificate No: 234d: Part 5 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 5	Single leaf outward opening hinged security doorset	1.8	2.4	0.75	1.24	5	234d/09
ExcluDoor 5	Double leaf outward opening hinged security doorset	1.8	2.4	1.24	2.4	5	234d/09

Certificate No: 234d: Part 6 to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 6	Single leaf outward opening hinged security doorset	1.8	2.4	0.75	1.24	6	234d/15
ExcluDoor 6	Double leaf outward opening hinged security doorset	1.8	2.4	1.24	2.4	6	234d/15

Certificate No: 234f to LPS 1175: Issue 7

Hinged Louvred Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluLouvre® Door 2	Single leaf outward opening hinged louvred doorset	1.0	2.72	0.43	1.5	2	234f/02
ExcluLouvre® Door 2	Double leaf outward opening hinged louvred doorset	1.0	2.72	0.73	2.4	2	234f/02
ExcluLouvre® Door 2 Mk3	Single leaf outward opening hinged louvred doorset	1.0	2.4	0.43	1.5	2	234f/03
ExcluLouvre® Door 2 Mk3	Double leaf outward opening hinged louvred doorset	1.0	2.4	0.73	2.4	2	234f/03
ExcluLouvre® Door 3	Single leaf outward opening hinged louvred doorset	1.0	2.4	0.43	1.5	3	234f/01
ExcluLouvre® Door 3	Double leaf outward opening hinged louvred doorset	1.0	2.4	0.73	2.4	3	234f/01

Certificate No: 234k to LPS 1175: Issue 7

SECURITY DOORSETS

Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluSlide 2	Single sliding plain leaf doorset	1.35	2.43	0.65	1.12	2	234k/01
ExcluSlide 2	Single sliding louvered doorset	1.35	2.43	0.65	1.12	2	234k/01
ExcluSlide 3	Single sliding plain leaf doorset	1.35	2.43	0.65	1.12	3	234k/02
ExcluSlide 3	Single sliding louvered doorset	1.35	2.43	0.65	1.12	3	234k/02

Certificate No: 234m to LPS 1175: Issue 8

Louvered Padlockable Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
HeavyDuty Secure 1	Single leaf outward opening louvered padlockable doorset	1.0	2.425	0.4	1.465	A1 (SR1)	234m/01
HeavyDuty Secure 1	Single leaf outward opening louvered padlockable doorset incorporating overpanels	1.1	3.3	0.4	1.465	A1 (SR1)	234m/01
HeavyDuty Secure 1	Double leaf outward opening louvered padlockable doorset	1.0	2.425	1.2	2.71	A1 (SR1)	234m/01
HeavyDuty Secure 1	Double leaf outward opening louvered padlockable doorset incorporating overpanels	1.1	3.3	1.2	2.71	A1 (SR1)	234m/01

Certificate No: 234n to LPS 1175: Issue 8

Louvered Padlockable Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
HeavyDuty Secure 2	Single leaf outward opening louvered padlockable doorset	1.0	2.425	0.4	1.465	B3 (SR2)	234n/01
HeavyDuty Secure 2	Single leaf outward opening louvered padlockable doorset incorporating overpanels	1.1	3.3	0.4	1.465	B3 (SR2)	234n/01
HeavyDuty Secure 2	Double leaf outward opening louvered padlockable doorset	1.0	2.425	1.2	2.71	B3 (SR2)	234n/01
HeavyDuty Secure 2	Double leaf outward opening louvered padlockable doorset incorporating overpanels	1.1	3.3	1.2	2.71	B3 (SR2)	234n/01

Certificate No: 234p to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 1	Single leaf outward opening doorset	0.5	3.275	0.4	1.495	A1 (SR1)	234p/01
ExcluDoor 1	Double leaf outward opening doorset	0.5	3.275	0.9	2.89	A1 (SR1)	234p/01

Certificate No: 234q to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 1 FR	Single leaf outward opening doorset	0.5	3.235	0.4	1.360	A1 (SR1)	234q/01
ExcluDoor 1 FR	Double leaf outward opening doorset	0.5	3.235	0.9	2.760	A1 (SR1)	234q/01

Certificate No: 234r to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 2	Single leaf outward opening doorset	0.5	3.275	0.4	1.495	B3 (SR2)	234r/01
ExcluDoor	Double leaf outward opening doorset	0.5	3.275	0.9	2.89	B3	234r/01

SECURITY DOORSETS

2

opening doorset

(SR2)

Certificate No: 234s to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluDoor 2 FR	Single leaf outward opening doorset	0.5	3.235	0.4	1.360	B3 (SR2)	234s/01
ExcluDoor 2 FR	Double leaf outward opening doorset	0.5	3.235	0.9	2.760	B3 (SR2)	234s/01

Certificate No: 234t to LPS 1175: Issue 8

Hinged Louvred Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluLouvre® Door 2	Single leaf outward opening hinged louvred doorset	1.0	2.7	0.43	1.5	B3 (SR2)	234t/01
ExcluLouvre® Door 2	Double leaf outward opening hinged louvred doorset	1.0	2.7	0.73	2.4	B3 (SR2)	234t/01

Certificate No: 234u to LPS 1175: Issue 8

Hinged Louvred Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluLouvre® Door 2 Mk3	Single leaf outward opening hinged louvred doorset	1.0	2.4	0.43	1.5	B3 (SR2)	234u/01
ExcluLouvre® Door 2 Mk3	Double leaf outward opening hinged louvred doorset	1.0	2.4	0.73	2.4	B3 (SR2)	234u/01

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Certificate No: 450a-Part 2 to LPS 1175: Issue 5

Hinged Security Doorsets

Product Name	Type	Minimum Clear Opening Height (m)	Maximum Clear Opening Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
UltraSecure DS1/DV4	Single leaf hinged outward opening security doorset	0.9	2.9	0.5	1.3	4	450a/03
UltraSecure DS2/DV4	Double leaf hinged outward opening security doorset	0.9	2.9	1.2	2.6	4	450a/08

Certificate No: 450ac to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Sentinel Lite 2	Single leaf outward opening hinged security doorset	1.3	2.41	0.5	1.2	B3 (SR2)	450ac/01
Sentinel Lite 2	Double leaf outward opening hinged security doorset	1.3	2.41	1.2	2.3	B3 (SR2)	450ac/01
Sentinel Lite 2	Single leaf outward opening padlockable hinged Security Doorset	1.3	2.41	0.5	1.2	B3 (SR2)	450ac/01
Sentinel Lite 2	Double leaf outward opening padlockable hinged Security Doorset	1.3	2.41	1.2	2.3	B3 (SR2)	450ac/01

Certificate No: 450ah to LPS 1175: Issue 8

Hinged Security Doorsets

SECURITY DOORSETS

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Sentinel	Single leaf outward opening hinged security doorset	1.8	2.35	0.75	1.2	E10 (SR5)	450ah/01
Sentinel	Double leaf outward opening hinged security doorset	1.8	2.35	1.2	2.3	E10 (SR5)	450ah/01

Certificate No: 450f to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Sentinel UltraSecure	Single leaf outward opening hinged security doorset	1.8	2.35	0.75	1.2	3	450f/01
Sentinel UltraSecure	Double leaf outward opening hinged security doorset	1.8	2.35	1.2	2.35	3	450f/02
Sentinel UltraSecure	Single leaf outward opening hinged security doorset	1.21	2.35	0.75	1.2	3	450f/07
Sentinel UltraSecure	Double leaf outward opening hinged security doorset	1.21	2.35	1.2	2.35	3	450f/08
Sentinel Lite 3	Single leaf outward opening hinged security doorset	1.3	2.41	0.5	1.2	3	450f/17
Sentinel Lite 3	Double leaf outward opening hinged security doorset	1.3	2.41	1.2	2.3	3	450f/18
Sentinel Lite 3	Single leaf outward opening padlockable hinged security doorset	1.3	2.41	0.5	1.2	3	450f/19
Sentinel Lite 3	Double leaf outward opening padlockable hinged security doorset	1.3	2.41	1.2	2.3	3	450f/20

Certificate No: 450j to LPS 1175: Issue 7

Hinged Mesh Panel Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
UltraSecure SCD1/DV3	Single leaf outward opening mesh panel doorset	1.0	3.0	0.5	1.2	3	450j/01
UltraSecure SCD2/DV3	Double leaf outward opening mesh panel doorset	1.0	3.0	1.2	3.0	3	450j/02

Certificate No: 450u to LPS 1175: Issue 8

Hinged Mesh Panel Security Doorsets

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
UltraSecure Mesh Doorset SCD1/DV4	Single leaf outward opening mesh panel doorset	1.2	3.0	0.6	1.5	D10 (SR4)	450u/01
UltraSecure Mesh Doorset SCD2/DV4	Double leaf outward opening mesh panel doorset	1.2	3.0	1.5	3.0	D10 (SR4)	450u/01

Certificate No: 450y to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Sentinel DS1/SEN4/SM	Single leaf outward opening hinged security doorset	1.8	2.35	0.75	1.2	D10 (SR4)	450y/01
Sentinel DS2/SEN4/SM	Double leaf outward opening hinged security doorset	1.8	2.35	1.2	2.185	D10 (SR4)	450y/01
Sentinel DS1/SEN4/MT	Single leaf outward opening hinged security doorset	1.21	2.35	0.75	1.2	D10 (SR4)	450y/01
Sentinel DS2/SEN4/MT	Double leaf outward opening hinged security doorset	1.21	2.35	1.2	2.35	D10 (SR4)	450y/01

Certificate No: 450z to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
UltraSecure Padlockable Door DS1/DV4	Single leaf outward opening padlockable hinged security doorset	1.21	3.01	0.515	1.515	D10 (SR4)	450z/01
UltraSecure Padlockable Door	Double leaf outward opening padlockable hinged security doorset	1.21	3.01	1.215	3.015	D10 (SR4)	450z/01

SECURITY DOORSETS

DS1/DV4

doorset

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Certificate No: 1476a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62	Single leaf inward opening doorset	2.0	4.2	0.65	1.576	3	1476a/01
Teckentrup 62	Single leaf outward opening doorset	1.01	4.22	0.65	1.576	3	1476a/01
Teckentrup 62	Double leaf inward opening doorset	2.0	4.2	1.35	4.2	3	1476a/01
Teckentrup 62	Double leaf outward opening doorset	2.0	4.2	1.35	4.2	3	1476a/01

UK Sales Enquiries

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Certificate No: 1476b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure 1	Single leaf outward opening hinged doorset	0.546	2.546	0.576	1.576	A1 (SR1)	1476b/01
Teckentrup 62 Secure 1	Double leaf outward opening hinged doorset	0.546	2.546	1.076	2.576	A1 (SR1)	1476b/01

UK Sales Enquiries

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Certificate No: 1476d to LPS 2081: Issue 1

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure A	Single leaf outward opening hinged doorset	0.546	2.546	0.576	1.576	A	1476d/01
Teckentrup 62 Secure A	Double leaf outward opening hinged doorset	0.546	2.546	1.076	2.576	A	1476d/01

UK Sales Enquiries

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Certificate No: 1476e to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure 2	Single leaf outward opening hinged doorset	2.0	3.046	0.576	1.576	B3 (SR2)	1476e/01

SECURITY DOORSETS

Teckentrup 62 Secure 2	Double leaf outward opening hinged doorset	2.0	3.046	1.076	3.076	B3 (SR2)	1476e/01
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Certificate No: 1476f to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure 2 FB4	Single leaf outward opening hinged doorset	2.0	3.046	0.576	1.576	B3 (SR2)	1476f/01

UK Sales Enquiries

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Certificate No: 1476g to LPS 2081: Issue 1

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure B	Single leaf outward opening hinged doorset	2.0	3.046	0.576	1.576	B	1476g/01
Teckentrup 62 Secure B	Double leaf outward opening hinged doorset	2.0	3.046	1.076	3.076	B	1476g/01

UK Sales Enquiries

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Certificate No: 1476h to LPS 2081: Issue 1

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure B FB4	Single leaf outward opening hinged doorset	2.0	3.046	0.576	1.576	B	1476h/01

UK Sales Enquiries

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Certificate No: 1476i to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62 Secure 3	Single leaf outward opening hinged doorset	2.0	3.046	0.576	1.576	C5 (SR3)	1476i/01
Teckentrup 62 Secure 3	Double leaf outward opening hinged doorset	2.0	3.046	1.076	4.2	C5 (SR3)	1476i/01

UK Sales Enquiries

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Email: enquiries@teckentrup.co.uk

Certificate No: 1476j to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Teckentrup 62	Single leaf outward	2.0	3.046	0.576	1.576	D10	1476j/01

SECURITY DOORSETS

Secure 4	opening hinged doorset					(SR4)	
Teckentrup 62	Double leaf outward	2.0	3.046	1.076	4.2	D10	1476j/01
Secure 4	opening hinged doorset					(SR4)	

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Certificate No: 1056a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Nominal Structural Opening Height (m)	Maximum Nominal Structural Opening Height (m)	Minimum Nominal Structural Opening Width (m)	Maximum Nominal Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Protection 30	Single leaf, outward and inward opening hinged security doorset	1.95	2.47	0.6	1.0	2	1056a/01
Protection 60	Single leaf, outward and inward opening hinged security doorset	1.95	2.47	0.6	1.0	2	1056a/02
Confort UK	Single leaf inward opening hinged security doorset	1.95	2.47	0.6	1.0	2	1056a/03

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Certificate No: 1570a to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
PS2	Single leaf outward opening hinged doorset	0.55	3.275	0.4	1.6	B5	1570a/01
PS2	Single leaf outward opening hinged doorset with overpanel	1.0	6.1	0.4	1.6	B5	1570a/01
PS2	Single leaf outward opening hinged doorset with side panels(s)	0.55	3.275	0.75	Unlimited	B5	1570a/01
PS2	Single leaf outward opening hinged doorset with overpanel and side panel(s)	1.0	6.1	0.75	Unlimited	B5	1570a/01
PS2	Double leaf outward opening hinged doorset	0.55	3.275	0.7	3.1	B5	1570a/01
PS2	Double leaf outward opening hinged doorset with overpanel	1.0	6.1	0.7	3.1	B5	1570a/01
PS2	Double leaf outward opening hinged doorset with side panel(s)	0.55	3.275	1.0	Unlimited	B5	1570a/01
PS2	Double leaf outward opening hinged doorset with overpanel and side panel(s)	1.0	6.1	1.0	Unlimited	B5	1570a/01

Certificate No: 1570b to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
PS3	Single leaf outward opening hinged doorset	0.55	3.275	0.4	1.6	C5 (SR3)	1570b/01
PS3	Single leaf outward opening hinged doorset with overpanel	1.0	6.1	0.4	1.6	C5 (SR3)	1570b/01
PS3	Single leaf outward opening hinged doorset with side panel(s)	0.55	3.275	0.75	Unlimited	C5 (SR3)	1570b/01
PS3	Single leaf outward opening hinged doorset with overpanel and side panel(s)	1.0	6.1	0.75	Unlimited	C5 (SR3)	1570b/01
PS3	Double leaf outward opening hinged doorset	0.55	3.275	0.7	3.1	C5 (SR3)	1570b/01
PS3	Double leaf outward opening hinged doorset with overpanel	1.0	6.1	0.7	3.1	C5 (SR3)	1570b/01

SECURITY DOORSETS

PS3	Double leaf outward opening hinged doorset with side panel(s)	0.55	3.275	1.0	Unlimited	C5 (SR3)	1570b/01
PS3	Double leaf outward opening hinged doorset with overpanel and side panel(s)	1.0	6.1	1.0	Unlimited	C5 (SR3)	1570b/01

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Certificate No: 1390a to LPS 1175: Issue 7

Hinged Security Doorset

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
E80S	Single leaf inward opening doorset	1.908	2.4	0.54	1.2	2	1390a/01

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Certificate No: 1045a to LPS 1175: Issue 7

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior 4SP-SL	Single leaf outward opening hinged doorset	1.8	2.5	0.6	1.322	4	1045a/01
Warrior 4-SL	Single leaf outward opening hinged doorset	1.8	2.5	0.6	1.322	4	1045a/02
Warrior 4-SLi	Single leaf inward opening hinged doorset	1.8	2.5	0.6	1.322	4	1045a/03
Warrior 4-DD	Double leaf outward opening hinged doorset	1.8	2.5	1.064	2.260	4	1045a/04
Warrior C4-SLS	Single leaf outward or inward opening hinged doorset incorporating side screens	1.8	2.5	0.944	7.322	4	1045a/05
Warrior C4-DDS	Double leaf outward opening hinged doorset incorporating side screens	1.8	2.5	1.408	8.260	4	1045a/06
Warrior B-SL	Single leaf outward opening hinged doorset	1.8	2.5	0.6	1.322	2	1045a/07
Warrior B-SLi	Single leaf inward opening hinged doorset	1.8	2.5	0.6	1.322	2	1045a/08
Warrior CB-SLi	Single leaf outward or inward opening hinged doorset incorporating side screens and/or overpanel	1.9	3.5	0.85	6.222	2	1045a/09

Certificate No: 1045d to LPS 2081: Issue 1

Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior B-SL	Single leaf outward opening hinged glazed doorset	1.8	2.5	0.6	1.55	B	1045d/01
Warrior B-SLi	Single leaf inward opening hinged glazed doorset	1.8	2.5	0.6	1.55	B	1045d/02
Warrior CB-SLi	Single leaf inward or outward opening hinged glazed doorset incorporating side screens and/or overpanels	1.9	3.5	0.85	6.45	B	1045d/03

Certificate No: 1045e to LPS 1175: Issue 7

Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior 2	Single leaf sliding	2.0	3.2	2.0	3.0	2	1045e/01

SECURITY DOORSETS

Slider	doorset						
Warrior 3	Single leaf sliding	2.0	3.2	2.0	3.0	3	1045e/02
Slider	doorset						

Certificate No: 1045f to LPS 2081: Issue 1

Sliding Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior B Slider	Single leaf sliding doorset	2.0	3.2	2.0	3.0	B	1045f/01

Certificate No: 1045g to LPS 1175: Issue 8

Hinged Security Doorset

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior 3 - DDS-Bespoke	Double leaf outward opening hinged doorset with side panels	1.050	3.350	1.148	9.474	C5 (SR3)	1045g/01

Certificate No: 1045h to LPS 1175: Issue 8

Hinged Security Doorsets

Product Name	Model	Type	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warrior 2	SL	Single leaf outward opening hinged security doorset	1.0	3.0	0.6	1.55	B3 (SR2)	1045h/01
Warrior 2	SLi	Single leaf inward opening hinged security doorset	1.0	3.0	0.6	1.55	B3 (SR2)	1045h/02
Warrior 2	C2-SL	Single leaf outward opening hinged security doorset incorporating side screens and/or overpanel	1.2	4.0	1.0	7.32	B3 (SR2)	1045h/03
Warrior 2	C2-SLi	Single leaf inward opening hinged security doorset incorporating side screens and/or overpanel	1.2	4.0	1.0	7.32	B3 (SR2)	1045h/04

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Certificate No: 1785a to LPS 1175: Issue 8

Louvred Hinged Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
WPL	Single leaf outward opening hinged louvred doorset	1.2	2.5	0.5	1.47	B3 (SR2)	1785a/01
WPL	Double leaf outward opening hinged louvred doorset	1.2	2.5	1.0	2.9	B3 (SR2)	1785a/01

This section lists fencing systems that have been certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

SECURITY FENCING

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Certificate No: 1726a to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Protek Elite 358	Metal welded mesh fencing system	1.8	2.440	0°	90° to 270°	A1 (SR1)	1726a/01
Protek Elite 358	Metal welded mesh fencing system	2.1, 2.4, 2.7, 3.0, 3.3, 4.2, 5.2	2.440	0° to 18.5°	90° to 270°	A1 (SR1)	1726a/01
Protek Elite 868	Metal welded mesh fencing system	1.8	2.520	0°	90° to 270°	A1 (SR1)	1726a/02
Protek Elite 868	Metal welded mesh fencing system	2.0	2.520	0° to 13.5°	90° to 270°	A1 (SR1)	1726a/02
Protek Elite 868	Metal welded mesh fencing system	2.4, 3.0, 3.1, 3.6, 4.0, 4.5, 5.0, 6.0	2.520	0° to 18.8°	90° to 270°	A1 (SR1)	1726a/02

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Certificate No: 1198ad to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
StronGuard SL1	Palisade fencing system	1.8 to 3.0	2.75	0° to 30°	45° to 90°, 180° or 270° to 315°	A1 (SR1)	1198ad/01

Certificate No: 1198c to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line1	Security Rating	LPCB Ref. No.
SecureGuard SR1	Welded mesh fencing system	2.4, 3.0	2.44	0° to 21°	90°, 180° or 270°	1	1198c/01
StronGuard SR2	Palisade fencing system	2.4	2.75	0° to 33°	72° to 108°, 125° to 235° or 252° to 286°	2	1198c/02
StronGuard SR3	Palisade fencing system	3.0	2.767	0° to 33°	70° to 110°, 125° to 235° or 250° to 290°	3	1198c/03

Certificate No: 1198e to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
SecureGuard SL2	Welded mesh security fencing system	2.0	3.0	2.45	0° to 21°	90°, 135° or 270°	B3 (SR2), C1	1198e/01

Certificate No: 1198g to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
TwinGuard SL1	Welded mesh security fencing system	1.83	3.13	2.52	0° to 21°	90°, 135° or 270°	A1 (SR1)	1198g/01

Certificate No: 1198m to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height	Maximum Height	Maximum Post Centres	Gradients	Angles in Fence	Security	LPCB Ref.
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SECURITY FENCING

		(m)	(m)	(m)		Line	Rating	No.
SecureGuard SL2X	Welded mesh security fencing system	2.4	4.2	2.53	0° to 21°	90° to 270°	B3 (SR2), C1	1198m/01

Certificate No: 1198n to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
SecureGuard SL1	Welded mesh security fencing system	1.8	5.2	2.44	0° to 45°	60° to 270°	A1 (SR1)	1198n/01

Certificate No: 1198r to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
StronGuard SL2	Palisade fencing system	2.0 to 3.0	2.75	0° to 33°	72° to 108°, 125° to 235° or 252° to 286°	B3 (SR2)	1198r/01

Certificate No: 1198t to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
StronGuard RCS SL2	Palisade fencing system	2.0 to 3.0	2.75	0°	90°, 180° to 235° and 270°	B3 (SR2)	1198t/01

Certificate No: 1198v to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
SecureGuard SL3X	Welded mesh security fencing system	2.4	4.2	2.65	0° to 21°	90° to 300°	C5 (SR3)	1198v/01

Certificate No: 1198x to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
StronGuard SL1 RCS	Palisade fencing system	1.8 to 3.0	2.75	0°	90°, 180° to 235° and 270°	A1 (SR1)	1198x/01

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Certificate No: 1587a to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Bekasecure Securifor 358 SR	Welded mesh security fencing system	2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.55	0° to 9.46°	135°, 180° and 225°	1	1587a/02
Bekasecure Securifor 2D SR	Welded mesh security fencing system	2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.55	0° to 9.46°	135°, 180° and 225°	1	1587a/01
Bekasecure Securifor 4D SR	Welded mesh security fencing system	2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.55	0° to 9.46°	135°, 180° and 225°	1	1587a/03
Securifor 358 SR	Welded mesh security fencing system	1.8, 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.44	0° to 9.46°	90°, 180°, 225° and 270°	1	1587a/06
Securifor 2D SR	Welded mesh security	2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.55	0° to 9.46°	90°, 180°, 225°	1	1587a/05

SECURITY FENCING

	fencing system	5.0		9.46°	and 270°		
Securifor 4D SR	Welded mesh security fencing system	1.8, 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0	2.85	0° to 9.46°	90°, 180°, 225° and 270°	1	1587a/07
Securifor 'Double-Skinned' SR	Welded mesh security fencing system	2.4 and 3.0	2.44	0° to 9.46°	90°, 180°, 225° and 270°	2	1587a/09
Bekasecure Securifor Super 6 SR	Welded mesh security fencing system	2.4, 3.0, 3.3, 4.0 and 5.0	2.55	0° to 9.46°	135°, 180° and 225°	1	1587a/04
Securifor Super 6 SR	Welded mesh security fencing system	2.4, 3.0, 3.3, 4.0 and 5.0	2.44	0° to 9.46°	90°, 180°, 225° and 270°	1	1587a/08

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Sales - Middle East

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Certificate No: 999a to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus SR2	Vertical bar and mesh panel security fencing system	2.4	2.515	0°, 9.5° and 18.4°	100° to 170°, 180°, 190° to 260°, 270°	2	999a/02
FenceSafe SR1	Welded mesh temporary security fencing system	2.4	1.295	0°	90°, 180°, 270°	1	999a/09
FenceSafe SR1	Welded mesh temporary security fencing system	2.4	1.03	9.46°	90°, 180°, 270°	1	999a/09

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Sales - Middle East

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Certificate No: 999c to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus AC MK.II	Vertical bar and mesh panel security fencing system	2.4 and 5.0	2.535	0° to 19°	100° to 270°	B3 (SR2)	999c/01

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Sales - Middle East

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Certificate No: 999d to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus S3	Vertical bar and mesh panel security fencing system	2.4 to 5.0	2.53	0° to 19°	100° to 270°	C5 (SR3)	999d/01

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Certificate No: 999h to LPS 1175: Issue 8

SECURITY FENCING

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus AC MK.III	Vertical bar and mesh panel security fencing system	2.4 to 5.0	2.536	0° to 19°	100° to 270°	B3 (SR2)	999h/01

Certificate No: 999k to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus S4	Welded mesh security fencing system	2.8 to 5.0	2.53	0° to 19°	90° to 270°	D10 (SR4), E3 and G1	999k/01

Sales - Australasia

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Sales - Middle East

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Certificate No: 999m to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
MODSEC Dulok S1	Welded mesh security fencing system	2.53 to 5.77	2.52	0° to 9.5°	90° to 270°	A1 (SR1)	999m/01
MODSEC Securus S1	Welded mesh security fencing system	2.53 to 5.70	2.52	0° to 9.5°	90° to 270°	A1 (SR1)	999m/02
MODSEC Securus AC MK.II	Welded mesh security fencing system	2.7 to 5.70	2.52	0° to 9.5°	90° to 270°	B3 (SR2)	999m/03
MODSEC Securus AC MK.III	Welded mesh security fencing system	2.7 to 5.70	2.52	0° to 9.5°	90° to 270°	B3 (SR2)	999m/04
MODSEC Securus S3	Welded mesh security fencing system	3.14 to 5.70	2.52	0° to 9.5°	90° to 270°	C5 (SR3)	999m/05

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Certificate No: 999n to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus S1	Welded mesh security fencing system	1.83 to 5.0	2.52	0° to 18.4°	90°, 100° to 170°, 180°, 190° to 260°, 270°	A1 (SR1)	999n/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999p to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Dulok S1	Welded mesh security fencing system	1.83 to 5.07	2.52	0° to 26.6°	90° to 270°	A1 (SR1)	999p/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999q to LPS 1175: Issue 8

SECURITY FENCING

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus Lite S1	Welded mesh security fencing system	1.8 to 5.0	2.44	0° to 26.6°	90° to 270°	A1 (SR1)	999q/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999r to LPS 1175: Issue 8

Security Fencing System

Product Name		Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Ultimate Extra S1	Welded mesh security fencing system		2.0 to 3.0	2.485	0° to 26.6°	90°, 100° to 170°, 180°, 190° to 260°, 270°	A1 (SR1)	999r/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999s to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
FenceSafe Hoard S1	Welded mesh security fencing system with PVC hoarding system	1.8 to 3.0	2.52	0° to 2.5°	91° to 135°, 180°, 181° to 225°, 270°	A1 (SR1)	999s/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999t to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securus 10 S2	Welded mesh security fencing system	2.0 to 5.0	2.515	0° to 19°	90°, 100° to 170°, 180°, 190° to 260°, 270°	B3 (SR2)	999/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999v to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Screenogril S1	Louvre panel fencing system	1.97 to 3.00	1.92	0° to 2.29°	90°, 180° and 270°	A1 (SR1)	999v/01

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Certificate No: 999w to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
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SECURITY FENCING

Screenogrill S2 Louvre panel fencing system 2.0 to 3.0 1.92 0° to 2.29° 90°, 180° and 270° B3 (SR2) 999w/01

Sales - Middle East

CLD Fencing Systems, Office 508, 5th Floor, Fairmont, Sheikh Zayed Road, Dubai, United Arab Emirates

Sales - Australasia

CLD Fencing Systems, 6th Floor, 10 Herb Elliot Avenue, Sydney Olympic Park, NSW, 2127, Australia

Certificate No: 999x to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
FenceSafe S2	Welded mesh temporary security fencing system	2.4	1.274	0° to 9.46°	90°, 180° and 270°	B3 (SR2)	999x/01

Cochrane Steel Products (Pty) Limited

125 Fitter Road, Spartan, Kempton Park, Johannesburg 1619, South Africa

Tel: +27 11 394 1788

E-mail: webenquiry@cochraneglobal.com • Website: www.cochraneglobal.com

Sales - UK

Cochrane UK, Unit 11, Hartlebury Trading Estate, Hartlebury, Worcestershire, DY10 4JB, United Kingdom

Sales - Middle East

Cochrane GULF, 901 Suntech Tower, Silicon Oasis, Dubai, United Arab Emirates

Sales - International

Cochrane International, 125 Fitter Road, Spartan, Isando 1600, South Africa

Certificate No: 1566a to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
ClearVu 2	Welded mesh security fencing system	2.0 to 6.0	3.39	0° to 4°	90° and 270°	B3 (SR2)	1566a/01

F. Klucznik & Son Ltd (T/A IAE)

Mossfield Road, Adderley Green, Stoke on Trent, ST3 5BW, United Kingdom

Tel: +44 (0) 1782 339320

E-mail: sales@iae.co.uk • Website: www.iae.co.uk

Certificate No: 1751a to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
DUEX-XS	Welded mesh security fencing system	1.8	3.0	2.525	0° to 45°	90°, 180° or 270°	A1 (SR1)	1751a/01

Certificate No: 1751c to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
FORTEX-XS	Welded mesh security fencing system	1.8	5.2	2.44	0° to 22°	90°, 180° or 270°	A1 (SR1)	1751c/01

Certificate No: 1751e to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
DIAMEX-XS	Vertical bar security fencing system	1.8	3.0	2.75	0° to 20°	90° to 270°	A1 (SR1)	1751e/01

SECURITY FENCING

Fastline Steel Services UK Ltd

Unit G1, Strawberry Lane, Willenhall, WV13 3RS, United Kingdom
Tel: +44 (0) 1922 623 222
E-mail: info@fastlinesteel.co.uk • Website: www.fastlinesteel.co.uk

Certificate No: 1613a to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Imperium-1-358	Welded mesh fencing system	1.8 to 5.2	2.475	2.27°, 4.53°, 6.78°	90° to 270°	A1 (SR1)	1613a/01

Certificate No: 1613b to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Imperium-2-358DB	Welded mesh fencing system	2.134 to 5.2	2.475	2.31°, 4.62°, 6.91°	90° to 270°	B3 (SR2)	1613b/01

Certificate No: 1613c to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Imperium-1-868	Welded mesh fencing system	1.874 to 5.174	2.525	2.27°, 4.53°, 6.78°	90° to 270°	A1 (SR1)	1613c/01

Certificate No: 1613d to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Imperium-1-Palisade	Palisade fencing system	1.8 to 3.6	2.75	0° to 15.76°	90°, 180°, 225° and 270°	A1 (SR1)	1613d/01

Certificate No: 1613e to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Imperium-1-Vertical Bar	Railings	1.8 to 3.3	2.805	0° to 6.78°	0° to 315°	A1 (SR1)	1613e/01

First Fence Limited

Kiln Way, Swadlincote, Derbyshire, DE11 8EA, United Kingdom
Tel: +44 (0) 1283 512 111
E-mail: sales@firstfence.co.uk • Website: www.firstfence.co.uk

Certificate No: 1745a to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
ProFence® 358	Welded mesh security fencing system	1.8, 2.0, 2.4 and 3.0	2.50	0° to 25°	90°, 180° or 270°	A1 (SR1)	1745a/01
ProFence® 868	Welded mesh security fencing system	1.8, 2.0, 2.4 and 3.0	2.52	0° to 25°	90°, 180° or 270°	A1 (SR1)	1745a/02

Certificate No: 1745c to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
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Palifence®	Pallisade fencing system	1.8, 2.0, 2.1, 2.4 and 3.0	2.75	0° to 30°	90° to 170°, 180°, 190° to 270°	A1 (SR1)	1745c/01
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H S Jackson & Son (Fencing) Limited, t/a Jacksons Fencing

Stowting Common, Ashford, Kent, TN25 6BN, United Kingdom

Tel: +44 (0)1233 750393

E-mail: security@jacksons-fencing.co.uk • Website: www.jacksons-fencing.co.uk

Certificate No: 913c to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
UHS Extreme Mesh SR3	Welded mesh security fencing system	2.431	2.505	0° to 7°, 9°	90°, 180° or 270°	3	913c/11
UHS Extreme Mesh SR3	Welded mesh security fencing system	3.031	2.505	0° to 7°, 13.5°	90°, 180° or 270°	3	913c/11
UHS Heavy Mesh SR3	Welded mesh security fencing system	2.415	2.505	0° to 6.5°	90°, 180° or 270°	3	913c/12
UHS Heavy Mesh SR3	Welded mesh security fencing system	3.031	2.505	0° to 7°, 14°	90°, 180° or 270°	3	913c/12

Certificate No: 913e to LPS 1175: Issue 8

Security Fencing System

Product Name	Model	Type	Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Jakoustic Class 3	Enhanced	Timber security fencing system	2.5 to 6.0	2.4	0° to 18.5°	90°, 180° or 270°	C5 (SR3) F1	913e/01
Jakoustic Class 3	High Security	Timber security fencing system	2.5 to 6.0	2.4	0° to 18.5°	90°, 180° or 270°	C5 (SR3) G1	913e/01

Certificate No: 913f to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Trident 4	Vertical bar and mesh panel security fencing system	3.6	2.57	0° to 5.7°	90°, 180° or 270°	D10 (SR4)	913f/01

Certificate No: 913g to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Trident 5	Vertical bar and mesh panel security fencing system	4.2	2.57	0° to 5.7°	90°, 180° or 270°	E10 (SR5)	913g/01

Certificate No: 913h to LPS 1175: Issue 8

Security Fencing System

Product Name	Model	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Barbican 1	Barbed Top	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913h/01
Barbican 1	Extra	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913h/01
Barbican 1	Imperial	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913h/01
Barbican 1	Standard	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913h/01
Barbican 1	With Finials	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913h/01

Certificate No: 913i to LPS 1175: Issue 8

Security Fencing Systems

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SECURITY FENCING

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Defender Xtreme 1	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913i/01

Certificate No: 913j to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Model	Type	Nominal Height (m)	Maximum Post Centres	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Euroguard 1	Combi	Welded mesh and timber slat security fencing system	2.07	3.055	0° to 1.5°	90°, 180° or 270°	A1 (SR1)	913j/01
Euroguard 1	Combi	Welded mesh and timber slat security fencing system	2.47	3.055	0° to 1.5°	90°, 180° or 270°	A1 (SR1)	913j/01
Euroguard 1	Combi	Welded mesh and timber slat security fencing system	3.11	3.055	0° to 1.5°	90°, 180° or 270°	A1 (SR1)	913j/01
Euroguard 1	Platform Heavy	Welded mesh security fencing system	2.03	3.034	0° to 1.9°	90°, 180° or 270°	A1 (SR1)	913j/01
Euroguard 1	Platform Heavy	Welded mesh security fencing system	2.43	3.054	0° to 1.9°	90°, 180° or 270°	A1 (SR1)	913j/01

Certificate No: 913k to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Sentry 1	Vertical bar security fencing system	1.8 to 3.0	3.0	0° to 53°	90°, 180° or 270°	A1 (SR1)	913k/01

Certificate No: 913m to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securimesh Plus 2	Welded mesh security fencing system	2.442	2.451	0° to 1.8°	90°, 180° or 270°	B3 (SR2)	913m/01
Securimesh Plus 2	Welded mesh security fencing system	5.0	2.451	0° to 4.5°	90°, 180° or 270°	B3 (SR2)	913m/01

Certificate No: 913t to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Securimesh 1	Welded mesh security fencing system	1.8 to 6.0	2.44	0° to 45°	90° to 270°	A1 (SR1)	913t/01

Heras Perimeter Protection Ltd

Heron's Way, Balby, Doncaster, DN4 8WA, United Kingdom

Tel: +44 (0)1302 364551

E-mail: info@heras.co.uk • Website: www.heras.co.uk

Certificate No: 1454b to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradients ¹	Angles in Fence Line ²	Security Rating	LPCB Ref. No.
Zenith SR3	Welded mesh security fencing system	3.0	2.932	0°	90°, 180° and 270°	3	1454b/02

Certificate No: 1454d to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Post Centres (m)	Maximum Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Zenith	Welded mesh security fencing system	2.4	2.44	13.8°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01
Zenith	Welded mesh security fencing system	3.0	2.44	23.5°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01

SECURITY FENCING

Zenith	Welded mesh security fencing system	4.2	2.44	37.6°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01
Zenith	Welded mesh security fencing system	1.8	2.44	0.7°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01
Zenith	Welded mesh security fencing system	2.0	2.44	4.67°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01
Zenith	Welded mesh security fencing system	5.2	2.44	37.6°	175° to 185° and 265° to 275°	A1 (SR1)	1454d/01

Certificate No: 1454e to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Post Centres (m)	Maximum Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Pallas Xtra	Welded mesh security fencing system	1.8, 2.0, 2.4 and 3.0	2.53	0°	175° to 185° and 265° to 275°	A1 (SR1)	1454e/01

Certificate No: 1454f to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Post Centres (m)	Maximum Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Zenith-B3	Welded mesh security fencing system	2.4, 3.0 and 4.2	2.932	0°	90°, 180° and 270°	B3 (SR2)	1454f/01

Knoxford Ltd

Unit 4, Sycamore Road, Trent Lane Industrial Estate, Castle Donington, Derbyshire, DE74 2NW, United Kingdom

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E-mail: info@knoxfordfabrications.co.uk • Website: www.knoxfordfabrications.co.uk

Certificate No: 1545a to LPS 1175: Issue 8

Security Fencing

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
ARX 'Standard' Security Fencing	Temporary fencing system	2.4	7.094 (5 panels)	Unlimited	0° to 8.56°	90°, 180° and 270°	A1 (SR1)	1545a/01
ARX 'Standard' Security Fencing	Temporary fencing system	3.6	7.094 (5 panels)	Unlimited	0° to 8.56°	90°, 180° and 270°	A1 (SR1)	1545a/01

Certificate No: 1545b to LPS 1175: Issue 8

Security Fencing

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
ARX 'Super' Security Fencing	Temporary fencing system	2.4	7.094 (5 panels)	Unlimited	0° to 3.9°	90°, 180° and 270°	B3 (SR2)	1545b/01
ARX 'Super' Security Fencing	Temporary fencing system	3.6	7.094 (5 panels)	Unlimited	0° to 3.9°	90°, 180° and 270°	B3 (SR2)	1545b/01

Lochrin Bain Limited

Lochrin Works, 7 Limekilns Road, Blairlinn Industrial Estate, Cumbernauld, G67 2RN, United Kingdom

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E-mail: sales@lochrin-bain.co.uk • Website: www.lochrin-bain.co.uk

Certificate No: 1137p to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
UltraGUARD SL2	Welded mesh fencing system	2.4, 3.0	2.525	0° to 20°	90°, 100° to 270°	B3 (SR2)	1337p/01

Certificate No: 1337d to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angle in Fence Line	Security Rating	LPCB Ref. No.
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SECURITY FENCING

Lochrin FlatGuard Welded mesh fencing system 1.83 to 3.03 3.02 0° to 25° 90° to 270° A1 (SR1) 1337d/01

Certificate No: 1337f to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angle in Fence Line	Security Rating	LPCB Ref. No.
Lochrin 358	Welded mesh fencing system	1.83 to 3.03	3.02	0° to 25°	90° to 270°	A1 (SR1)	1337f/01

Certificate No: 1337h to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Lochrin Combi	Palisade fencing system	1.8 to 3.0	2.75	0° to 10°	90° to 270°	A1 (SR1)	1337h/01

Certificate No: 1337j to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Lochrin Defender SL3	Palisade fencing system	2.4, 3.0	2.75	0° to 15°	90°, 100° to 175°, 180°, 185° to 260° and 270°	C5 (SR3)	1337j/01

Certificate No: 1337m to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Heights (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Lochrin Combi SL2	Palisade fencing system	2.4, 3.0	2.75	0° to 30°	0° to 270°	B3 (SR2)	1337m/01

NK Fencing Limited

40 Trailcock Road, Carrickfergus, Co. Antrim, Northern Ireland, BT38 7NU, United Kingdom

Tel: +44 (0)28 9335 1172

E-mail: mail@nkfencing.com • Website: www.nkfencing.com

Certificate No: 951b to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
Ibex Hi Security	Welded mesh security fencing system	1.8 to 3.0	2.46	0° to 5.71°	> 90° to	A1 (SR1)	951b/01

The Expanded Metal Company Limited

P.O.Box 14, Longhill Industrial Estate (North), Hartlepool, TS25 1PR, United Kingdom

Tel: +44 (0)1429 867 388

E-mail: sales@exmesh.co.uk • Website: www.exmeshsecurity.co.uk

Certificate No: 731e to LPS 1175: Issue 7

Security Fencing Systems

Product Name	Type	Height (m)	Minimum Post Centres (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line ¹	Security Rating	LPCB Ref. No.
ExMesh™ SR3	Twin-skinned expanded metal mesh fencing system	2.465	0.5	3.0	0°	90°, 180° and 270°	3	731e/01
ExMesh™ SR3	Twin-skinned expanded metal mesh fencing system	2.465	0.5	2.4	0° to 30°	180°	3	731e/01
ExMesh™ SR3	Twin-skinned expanded metal mesh fencing system	2.975	0.5	2.4	0°	90°, 180° and 270°	3	731e/01

Certificate No: 731h to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Nominal Height	Maximum Post Centres	Gradients	Angles in Fence	Security	LPCB Ref.
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SECURITY FENCING

		(m)	(m)		Line	Rating	No.
ExMesh™ Class 2	Expanded metal mesh security fencing system	2.0 to 3.325	2.4	0° to 30°	90°, 180° and 270°	B3 (SR2)	731h/01

Certificate No: 731j to LPS 1175: Issue 8

Security Fencing System

Product Name	Type	Height (m)	Maximum Post Centres (m)	Gradients	Angles in Fence Line	Security Rating	LPCB Ref. No.
ExMesh™ Class 1	Expanded metal mesh security fencing system	1.855 to 3.325	3.0	0° to 45°	90, 180° and 270°	A1 (SR1)	731j/01

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Certificate No: 1164c to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradient (°)	Angles in Fence Line (°)	Security Rating	LPCB Ref. No.
Duo8	Welded mesh security fencing system	2.0 to 5.15	3.025	11.5	180	A1 (SR1)	1164c/01

Certificate No: 1164d to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradient (°)	Angles in Fence Line (°)	Security Rating	LPCB Ref. No.
HiSec 358	Welded mesh security fencing system	2.0 to 5.2	2.992	12.09	180 to 260 and 270	A1 (SR1)	1164d/01

Certificate No: 1164e to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradient (°)	Angles in Fence Line (°)	Security Rating	LPCB Ref. No.
HiSec Super-10	Welded mesh security fencing system mounted using base-plated posts	2.4 to 4.3	2.992	0	180 to 200 and 270	B3 (SR2)	1164e/01
HiSec Super-10	Welded mesh security fencing system mounted using in-ground posts	2.4 to 4.3	1.470	11.53	180 to 200 and 270	B3 (SR2)	1164e/01
HiSec Super-10	Welded mesh security fencing system mounted using in-ground posts	2.4 to 4.3	2.536	6.75	180 to 200 and 270	B3 (SR2)	1164e/01
HiSec Super-10	Welded mesh security fencing system mounted using in-ground posts	2.4 to 4.3	2.992	5.73	180 to 200 and 270	B3 (SR2)	1164e/01

Certificate No: 1164f to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradient (°)	Angles in Fence Line (°)	Security Rating	LPCB Ref. No.
Corrusec 3	Welded mesh security fencing system mounted using in-ground posts	2.4 to 6	2.54	19.5	90 to 180, 205 to 315	C5 (SR3)	1164f/01
Corrusec 3	Welded mesh security fencing system mounted using base-plated posts	2.4 to 6	2.54	0	90 to 180, 205 to 315	C5 (SR3)	1164f/01

Certificate No: 1164g to LPS 1175: Issue 8

Security Fencing Systems

Product Name	Type	Nominal Height (m)	Maximum Post Centres (m)	Maximum Gradient (°)	Angles in Fence Line (°)	Security Rating	LPCB Ref. No.
Corrusec 4	Welded mesh security fencing system mounted using in-ground posts	2.8 to 6.0	2.54	19.5	10 to 170, 180, 190 to 350	D10 (SR4)	1164g/01
Corrusec 4	Welded mesh security fencing system mounted using base-plated posts	2.8 to 6.0	2.54	0	10 to 170, 180, 190 to 350	D10 (SR4)	1164g/01

SECURITY FENCING

This section lists gates that have been certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

SECURITY GATES

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Certificate No: 1726b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System - Active Leaf	Compatible Locking System - Passive Leaf	Security Rating	LPCB Ref. No.
Protek Elite 358	Single leaf inward opening welded mesh gate	1.8, 2.1, 2.4, 2.7, 3.0	0.576	6.026	1 or 2	N/A	A1 (SR1)	1726b/01
Protek Elite 358	Single leaf outward opening welded mesh gate	1.8, 2.1, 2.4, 2.7, 3.0	0.576	6.026	1 or 2	N/A	A1 (SR1)	1726b/01
Protek Elite 358	Double leaf inward opening welded mesh gate	1.8, 2.1, 2.4, 2.7, 3.0	0.990	12.116	1 or 2	3	A1 (SR1)	1726b/01
Protek Elite 358	Double leaf outward opening welded mesh gate	1.8, 2.1, 2.4, 2.7, 3.0	0.990	12.116	1 or 2	3	A1 (SR1)	1726b/01
Protek Elite 868	Single leaf inward opening welded mesh gate	1.8, 2.0, 2.4, 3.0	0.593	6.031	1 or 2	N/A	A1 (SR1)	1726b/02
Protek Elite 868	Single leaf outward opening welded mesh gate	1.8, 2.0, 2.4, 3.0	0.593	6.031	1 or 2	N/A	A1 (SR1)	1726b/02
Protek Elite 868	Double leaf inward opening welded mesh gate	1.8, 2.0, 2.4, 3.0	0.976	12.052	1 or 2	3	A1 (SR1)	1726b/02
Protek Elite 868	Double leaf outward opening welded mesh gate	1.8, 2.0, 2.4, 3.0	0.976	12.052	1 or 2	3	A1 (SR1)	1726b/02

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Certificate No: 1198ac to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Vulcan RCS SL1	Automatic cantilever sliding gate	2.0	3.0	2.5	11.0	A1 (SR1)	1198ac/01
Vulcan RCS SL2	Automatic cantilever sliding gate	2.0	3.0	2.5	11.0	B3 (SR2)	1198ac/02

Certificate No: 1198ae to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
StronGuard SL1	Single leaf inward opening gate	1.8	3.0	1.0	6.5	A1 (SR1)	1198ae/01
StronGuard SL1	Single leaf outward opening gate	1.8	3.0	1.0	6.5	A1 (SR1)	1198ae/01
StronGuard SL1	Double leaf inward opening gate	1.8	3.0	2.0	13.0	A1 (SR1)	1198ae/01
StronGuard SL1	Double leaf outward opening gate	1.8	3.0	2.0	13.0	A1 (SR1)	1198ae/01

Certificate No: 1198d to LPS 1175: Issue 7

Security Gates

Product Name	Type	Height1 (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SecureGuard SR1	Single leaf inward opening gate	2.4	1.005	1.505	1	1198d/01
SecureGuard SR1	Double leaf inward opening gate	2.4	4.0	8.0	1	1198d/01
StronGuard SR2	Single leaf inward opening gate	2.4	1.0	2.545	2	1198d/02
StronGuard SR2	Double leaf inward opening gate	2.4	2.5	8.884	2	1198d/02
StronGuard SR3	Single leaf inward opening gate	3.0	0.95	4.79	3	1198d/03
StronGuard SR3	Double leaf inward opening gate	3.0	3.08	9.56	3	1198d/03
StronGuard SR3	Single leaf outward opening gate	3.0	1.02	4.86	3	1198d/03
StronGuard SR3	Double leaf outward opening gate	3.0	3.22	9.7	3	1198d/03
StronGuard SR2	Single leaf outward opening gate	2.4	1.07	2.615	2	1198d/02
StronGuard SR2	Double leaf outward opening gate	2.4	2.64	9.024	2	1198d/02
SecureGuard SR1	Single leaf outward opening gate	2.4	1.005	1.575	1	1198d/01
SecureGuard SR1	Double leaf outward opening gate	2.4	4.0	8.0	2	1198d/01

Certificate No: 1198f to LPS 1175: Issue 8

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SECURITY GATES

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SecureGuard SL2	Single leaf inward opening security gate	2.0	2.442	0.8	2.0	B3 (SR2), C1	1198f/01
SecureGuard SL2	Single leaf outward opening security gate	2.0	2.442	0.8	2.5	B3 (SR2), C1	1198f/01
SecureGuard SL2	Double leaf inward opening security gate	2.0	2.450	3.0	8.0	B3 (SR2), C1	1198f/01
SecureGuard SL2	Double leaf outward opening security gate	2.0	2.450	3.0	8.0	B3 (SR2), C1	1198f/01

Certificate No: 1198h to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
TwinGuard SL1	Single leaf inward opening gate	1.83	3.13	0.53	6.56	A1 (SR1)	1198h/01
TwinGuard SL1	Single leaf outward opening gate	1.83	3.13	0.6	6.63	A1 (SR1)	1198h/01
TwinGuard SL1	Double leaf inward opening gate	1.83	3.13	2.0	13.08	A1 (SR1)	1198h/01
TwinGuard SL1	Double leaf outward opening gate	1.83	3.13	2.0	13.22	A1 (SR1)	1198h/01

Certificate No: 1198p to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SecureGuard SL1	Single leaf inward opening gate	1.8	4.2	1.005	1.505	A1 (SR1)	1198p/01
SecureGuard SL1	Single leaf outward opening gate	1.8	4.2	1.005	1.575	A1 (SR1)	1198p/01
SecureGuard SL1	Double leaf inward opening gate	1.8	4.2	4.0	8.0	A1 (SR1)	1198p/01
SecureGuard SL1	Double leaf outward opening gate	1.8	4.2	4.0	8.0	A1 (SR1)	1198p/01

Certificate No: 1198q to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SlideGuard Pro SL1	Automatic or manual cantilever sliding gate	1.8	3.0	3.0	11.0	A1 (SR1)	1198q/01
SlideGuard Pro SL2	Automatic or manual cantilever sliding gate	2.0	3.0	3.0	11.0	B3 (SR2)	1198q/02

Certificate No: 1198s to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
StronGuard SL2	Single leaf inward opening gate	2.0	3.0	1.0	2.545	B3 (SR2)	1198s/01
StronGuard SL2	Single leaf outward opening gate	2.0	3.0	1.07	2.615	B3 (SR2)	1198s/01
StronGuard SL2	Double leaf inward opening gate	2.0	3.0	2.5	8.884	B3 (SR2)	1198s/01
StronGuard SL2	Double leaf outward opening gate	2.0	3.0	2.64	9.024	B3 (SR2)	1198s/01

Certificate No: 1198u to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
StronGuard RCS SL2	Single leaf inward opening gate	2.0	3.0	1.0	2.545	B3 (SR2)	1198u/01
StronGuard RCS SL2	Single leaf outward opening gate	2.0	3.0	1.0	2.545	B3 (SR2)	1198u/01
StronGuard RCS SL2	Double leaf inward opening gate	2.0	3.0	2.5	8.884	B3 (SR2)	1198u/01
StronGuard RCS SL2	Double leaf outward opening gate	2.0	3.0	2.5	8.884	B3 (SR2)	1198u/01

Certificate No: 1198y to LPS 1175: Issue 8

SECURITY GATES

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
StronGuard SL1 RCS	Single leaf inward opening gate	1.8	3.0	1.0	2.545	A1 (SR1)	1198y/01
StronGuard SL1 RCS	Single leaf outward opening gate	1.8	3.0	1.0	2.545	A1 (SR1)	1198y/01
StronGuard SL1 RCS	Double leaf inward opening gate	1.8	3.0	2.5	8.884	A1 (SR1)	1198y/01
StronGuard SL1 RCS	Double leaf outward opening gate	1.8	3.0	2.5	8.884	A1 (SR1)	1198y/01

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Certificate No: 999b to LPS 1175: Issue 7

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lockmaster SR2	Single leaf inward opening security gate	2.44	0.6	3.0	2	999b/01
Lockmaster SR2	Double leaf inward opening security gate	2.44	1.2	6.0	2	999b/01
Lockmaster SR3	Single leaf outward opening security gate with emergency egress	2.35	1.48	1.48	3	999b/02
Slidemaster SR1	Cantilever sliding gate	2.48	1.0	8.0	1	999b/03
Slidemaster SR2	Cantilever sliding gate	2.48	1.0	8.0	2	999b/04
Slidemaster SR3	Cantilever sliding gate	2.48	1.0	8.0	3	999b/05

Certificate No: 999e to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lockmaster S2 Auto	Double leaf inward opening automated gate	2.4 to 5.0	2.4	10	B3 (SR2)	999e/01

Certificate No: 999f to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lockmaster S3 Auto	Double leaf inward opening automated gate	2.4 to 5.0	2.4	10	C5 (SR3)	999f/01

Certificate No: 999g to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices - Active Leaf	Compatible Locking Devices - Passive Leaf	Security Rating	LPCB Ref. No.
Lockmaster S1	Single leaf inward opening gate	1.8 to 3.0	0.5	3.0	1	N/A	A1 (SR1)	999g/01
Lockmaster S1	Single leaf bi-directional opening gate	1.8 to 3.0	0.5	3.0	1	N/A	A1 (SR1)	999g/01
Lockmaster S1	Double leaf inward opening gate	1.8 to 3.0	1.0	8.0	1	2	A1 (SR1)	999g/01
Lockmaster S1	Double leaf bi-directional opening gate	1.8 to 3.0	1.0	8.0	1	2	A1 (SR1)	999g/01

SECURITY GATES

Certificate No: 999i to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices - Active Leaf	Compatible Locking Devices - Passive Leaf	Security Rating	LPCB Ref. No.
Lockmaster S2	Single leaf inward opening gate	2.4 to 3.0	0.9	4.0	1 or 2	N/A	B3 (SR2)	999i/01
Lockmaster S2	Single leaf outward opening gate	2.4 to 3.0	0.9	4.0	1 or 2	N/A	B3 (SR2)	999i/01
Lockmaster S2	Single leaf inward opening gate with over panel	3.0 to 5.0	0.9	4.055	1 or 2	N/A	B3 (SR2)	999i/01
Lockmaster S2	Single leaf outward opening gate with over panel	3.0 to 5.0	0.9	4.055	1 or 2	N/A	B3 (SR2)	999i/01
Lockmaster S2	Double leaf inward opening gate	2.4 to 5.0	1.2	8.0	1 or 2	3	B3 (SR2)	999i/01
Lockmaster S2	Double leaf outward opening gate	2.4 to 5.0	1.2	8.0	1 or 2	3	B3 (SR2)	999i/01

Certificate No: 999j to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices - Active Leaf	Compatible Locking Devices - Passive Leaf	Security Rating	LPCB Ref. No.
Lockmaster S3	Single leaf inward opening gate	2.4 to 3.0	0.9	4.0	1 or 2	N/A	C5 (SR3)	999j/01
Lockmaster S3	Single leaf outward opening gate	2.4 to 3.0	0.9	4.0	1 or 2	N/A	C5 (SR3)	999j/01
Lockmaster S3	Single leaf inward opening gate with over panel	3.0 to 5.0	0.9	4.055	1 or 2	N/A	C5 (SR3)	999j/01
Lockmaster S3	Single leaf outward opening gate with over panel	3.0 to 5.0	0.9	4.055	1 or 2	N/A	C5 (SR3)	999j/01
Lockmaster S3	Double leaf inward opening gate	2.4 to 5.0	1.2	8.0	1 or 2	3	C5 (SR3)	999j/01
Lockmaster S3	Double leaf outward opening gate	2.4 to 5.0	1.2	8.0	1 or 2	3	C5 (SR3)	999j/01

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Certificate No: 999u to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices Active Leaf	Compatible Locking Devices Passive Leaf	Security Rating	LPCB Ref. No.
Lockmaster S4	Single leaf inward opening gate with over panel	2.8 to 5.0	0.9	2.5	1	N/A	D10 (SR4)	999u/01
Lockmaster S4	Single leaf outward opening gate with over panel	2.8 to 5.0	0.9	2.5	1	N/A	D10 (SR4)	999u/01
Lockmaster S4	Double leaf inward opening gate	2.8 to 5.0	1.2	8.0	1	2	D10 (SR4)	999u/01
Lockmaster S4	Double leaf outward opening gate	2.8 to 5.0	1.2	8.0	1	2	D10 (SR4)	999u/01

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Certificate No: 1684a to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10605	Automatic bi-folding gate	2.4 to 3.125	3.0	4.2	B3 (SR2)	1684a/01
CSG 10605	Automatic bi-folding bi-parting gate	2.4 to 3.125	4.37	10.0	B3 (SR2)	1684a/01

SECURITY GATES

Certificate No: 1684b to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10650	Automatic bi-folding gate	2.525 to 3.0	3.0	4.2	B3 (SR2)	1684b/01

Certificate No: 1684c to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10605	Automatic bi-folding gate	2.4 to 3.125	3.0	4.2	C5 (SR3)	1684c/01
CSG 10605	Automatic bi-folding bi-parting gate	2.4 to 3.125	4.37	10.0	C5 (SR3)	1684c/01

Certificate No: 1684d to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10650	Automatic bi-folding gate	2.525 to 3.0	3.0	4.2	C5 (SR3)	1684d/01

Certificate No: 1684e to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10700	Single leaf inward opening gate	2.4 and 3.0	0.8	1.5	B3 (SR2)	1684e/01

Certificate No: 1684f to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10700	Single leaf inward opening gate	2.4 and 3.0	0.8	1.5	C5 (SR3)	1684f/01

Certificate No: 1684g to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10640 XL	Automatic bi-folding gate	2.54 to 3.0	5.0	6.0	B3 (SR2)	1684g/01

Certificate No: 1684h to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10640	Automatic bi-folding gate	2.54 to 3.0	3.0	4.2	C5 (SR3)	1684h/01

Certificate No: 1684i to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
CSG 10640	Automatic bi-folding gate	2.54 to 3.0	3.0	4.2	B3 (SR2)	1684i/01

Eagle Automation Systems Ltd

Unit 5, New House Farm, Vicarage Lane, North Weald, Essex, CM16 6AP, United Kingdom

Tel: +44 (0)1992 524800

E-mail: sales@eagleautogate.co.uk • Website: www.eagleautogate.co.uk

SECURITY GATES

Certificate No: 1572k to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
EAG50010S-A1	Bi-folding gate	1.8 to 5.0	1.75	5.0	A1 (SR1)	1572k/01
EAG50010D-A1	Bi-folding bi-parting gate	1.8 to 5.0	3.5	10.0	A1 (SR1)	1572k/01

Certificate No: 1572m to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
EAG50010S-B3	Bi-folding gate	2.0 to 5.0	1.75	5.0	B3 (SR2)	1572m/01
EAG50010D-B3	Bi-folding bi-parting gate	2.0 to 5.0	3.5	10.0	B3 (SR2)	1572m/01

Certificate No: 1572n to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
EAG50010S-C5	Bi-folding gate	2.4 to 5.0	1.75	5.0	C5 (SR3)	1572n/01
EAG50010D-C5	Bi-folding bi-parting gate	2.4 to 5.0	3.5	10.0	C5 (SR3)	1572n/01

F. Klucznik & Son Ltd (T/A IAE)

Mossfield Road, Adderley Green, Stoke on Trent, ST3 5BW, United Kingdom

Tel: +44 (0) 1782 339320

E-mail: sales@iae.co.uk • Website: www.iae.co.uk

Certificate No: 1741f to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Systems Active Leaf	Compatible Locking Systems Passive Leaf	Security Rating	LPCB Ref. No.
DIAMEX-XS	Single leaf inward / outward opening gate	1.8	3.0	0.5	5.0	1	N/A	A1 (SR1)	1751f/01
DIAMEX-XS	Double leaf inward / outward opening gate	1.8	3.0	1.0	10.0	1	2	A1 (SR1)	1751f/01

Certificate No: 1751b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System Active Leaf	Compatible Locking System Passive Leaf	Security Rating	LPCB Ref. No.
DUEX-XS	Single leaf inward / outward opening gate	1.8	3.0	0.5	5.0	1	N/A	A1 (SR1)	1751b/01
DUEX-XS	Double leaf inward / outward opening gate	1.8	3.0	1.0	10.0	1	2	A1 (SR1)	1751b/01

Certificate No: 1751d to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Systems Active Leaf	Compatible Locking Systems Passive Leaf	Security Rating	LPCB Ref. No.
FORTEX-XS	Single leaf inward / outward opening gate	1.8	3.0	0.5	5.0	1	N/A	A1 (SR1)	1751d/01
FORTEX-XS	Single leaf inward / outward opening gate with over panel	2.0	5.2	0.5	5.0	1	N/A	A1 (SR1)	1751d/01
FORTEX-XS	Double leaf inward / outward opening gate	1.8	3.0	1.0	10.0	1	2	A1 (SR1)	1751d/01
FORTEX-XS	Double leaf inward / outward opening gate with over panel	2.0	5.2	1.0	10.0	1	2	A1 (SR1)	1751d/01

SECURITY GATES

Fastline Steel Services UK Ltd

Unit G1, Strawberry Lane, Willenhall, WV13 3RS, United Kingdom
Tel: +44 (0) 1922 623 222
E-mail: info@fastlinesteel.co.uk • Website: www.fastlinesteel.co.uk

Certificate No: 1613f to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Systems	Security Rating	LPCB Ref. No.
Imperium	Single leaf inward/outward opening gate	1.8	4.2	1.0	4.5	1	A1 (SR1)	1613f/01
Imperium	Single leaf inward/outward opening gate	1.8	3.6	1.0	4.5	2 or 3	A1 (SR1)	1613f/01
Imperium	Double leaf inward/outward opening gate	1.8	4.2	2.0	9.0	1 and 4	A1 (SR1)	1613f/01
Imperium	Double leaf inward/outward opening gate	1.8	3.6	2.0	9.0	2 or 3 and 4	A1 (SR1)	1613f/01

Certificate No: 1613g to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Systems	Security Rating	LPCB Ref. No.
Imperium 2	Single leaf inward/outward opening gate	2.0	4.2	1.0	4.5	1	B3 (SR2)	1613g/01
Imperium 2	Double leaf inward/outward opening gate	2.0	4.2	2.0	9.0	1 and 2	B3 (SR2)	1613g/01

First Fence Limited

Kiln Way, Swadlincote, Derbyshire, DE11 8EA, United Kingdom
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Certificate No: 1745b to LPS 1175: Issue 8

Security Gates

Product Name	Model	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
ProFence®	358	Single leaf inward/outward opening gate	1.848	3.048	1.2	5.0	A1 (SR1)	1745b/01
ProFence®	868	Double leaf inward/outward opening gate	1.848	3.048	2.0	10.0	A1 (SR1)	1745b/02

Certificate No: 1745d to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Palifence®	Single leaf inward/outward opening gate	1.8	3.0	1.2	5.0	A1 (SR1)	1745d/01
Palifence®	Double leaf inward/outward opening gate	1.8	3.0	2.0	10.0	A1 (SR1)	1745d/01

Frontier Pitts Ltd

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SECURITY GATES

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Email: middleeast@frontierpitts.com

Certificate No: 1059b to LPS 1175: Issue 7

Security Gates

Product Name	Type	Nominal Height	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Platinum Sliding Gate SR2	Cantilever sliding gate	2.4 to 4.5	3.0	10	2	1059b/01
Platinum Bi-Folding Gate SR2	Bi-folding gate	2.4 to 4.0	3.0	5.0	2	1059b/02
Platinum Sliding Gate SR3	Cantilever sliding gate	2.4 to 4.5	3.0	10	3	1059b/03
Platinum Bi-Folding Gate SR3	Bi-folding gate	2.4 to 4.0	3.0	5.0	3	1059b/04
Platinum Bi-Folding Bi-Parting Gate SR2	Bi-folding bi-parting gate	2.0 to 4.5	3.0	10	2	1059b/05
Platinum Bi-Folding Bi-Parting Gate SR3	Bi-folding bi-parting gate	2.4 to 4.5	3.0	10	3	1059b/06
Platinum Hinged Gate SR2	Single leaf inward opening gate	2.0 to 4.0	3.0	5.0	2	1059b/07
Platinum Hinged Gate SR2	Double leaf inward opening gate	2.0 to 4.0	3.0	10	2	1059b/07
Platinum Hinged Pedestrian Gate SR2	Single leaf inward opening padlockable gate	2.1 to 3.0	0.75	1.5	2	1059b/08
Platinum Hinged Pedestrian Gate SR2	Single leaf inward opening gate	2.1 to 3.0	0.75	1.5	2	1059b/08
Platinum Hinged Gate SR3	Single leaf inward opening gate	2.4 to 4.0	3.0	5.0	3	1059b/09
Platinum Hinged Gate SR3	Double leaf inward opening gate	2.4 to 4.0	3.0	10	3	1059b/09
Platinum Hinged Pedestrian Gate SR3	Single leaf inward opening padlockable gate	2.4 to 3.0	0.75	1.5	3	1059b/10
Platinum Hinged Pedestrian Gate SR3	Single leaf inward opening gate	2.4 to 3.0	0.75	1.5	3	1059b/10
Platinum Bi-Folding Bi-Parting Gate SR1	Bi-folding bi-parting gate	2.0 to 4.5	3.0	10	1	1059b/11
Platinum Bi-Folding Gate SR1	Bi-folding gate	2.4 to 4.0	3.0	5.0	1	1059b/12
Platinum Hinged Gate SR1	Single leaf inward opening gate	2.0 to 4.0	3.0	5.0	1	1059b/13
Platinum Hinged Gate SR1	Double leaf inward opening gate	2.0 to 4.0	3.0	10	1	1059b/13
Platinum Hinged Pedestrian Gate SR1	Single leaf inward opening padlockable gate	2.1 to 3.0	0.75	1.5	1	1059b/14
Platinum Hinged Pedestrian Gate SR1	Single leaf inward opening gate	2.1 to 3.0	0.75	1.5	1	1059b/14
Platinum Sliding Gate SR1	Cantilever sliding gate	2.4 to 4.5	3.0	10	1	1059b/15
Platinum Sliding Bi-Parting Gate SR1	Double Leaf Cantilever sliding bi-parting gate SR1	3.0	6.0	14.0	1	1059b/16
Platinum Sliding Bi-Parting Gate SR2	Double Leaf Cantilever sliding bi-parting gate SR2	3.0	6.0	14.0	2	1059b/17
Platinum Sliding Bi-Parting Gate SR3	Double Leaf Cantilever sliding bi-parting gate SR3	3.0	6.0	14.0	3	1059b/18

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Email: middleeast@frontierpitts.com

Certificate No: 1059d to LPS 1175: Issue 8

Security Gate

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Terra	Bi-folding bi-parting gate	2.4	6.0	B3 (SR2)	1059d/01

SECURITY GATES

Denmark Agent

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Certificate No: 1059f to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Terra	Bi-folding bi-parting gate	2.4	6.0	A1 (SR1)	1059f/01

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Sales - Middle East

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Certificate No: 1059g to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Terra	Bi-folding bi-parting gate	2.4	6.0	C5 (SR3)	1059g/01

Gunnebo UK Limited

The Gate House, Ashdown Business Park, Maresfield, East Sussex, TN22 2DU, United Kingdom

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E-mail: Enquiries.uk@gunnebo.com • Website: Gunneboentrancecontrol.com

Certificate No: 1660e to LPS 1175: Issue 8

Security Gate

Product Name	Type	Structural Opening Height (m)	Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Pedestrian Gate PGL3	Single leaf manual outward opening gate	2.21	1.426	C5 (SR3)	1660e/01
Pedestrian Gate PML3	Single leaf automatic outward opening gate	2.21	1.426	C5 (SR3)	1660e/01

H S Jackson & Son (Fencing) Limited, t/a Jacksons Fencing

Stowting Common, Ashford, Kent, TN25 6BN, United Kingdom

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E-mail: security@jacksons-fencing.co.uk • Website: www.jacksons-fencing.co.uk

Certificate No: 913d to LPS 1175: Issue 7

SECURITY GATES

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
UHS Extreme Mesh SR3	Single leaf inward opening security gate	2.4	0.870	3.0	3	913d/11
UHS Extreme Mesh SR3	Single leaf outward opening security gate	2.4	0.923	1.523	3	913d/11
UHS Extreme Mesh SR3	Single leaf inward opening padlockable security gate	2.4	0.863	3.0	3	913d/11
UHS Extreme Mesh SR3	Single leaf outward opening padlockable security gate	2.4	0.916	1.523	3	913d/11
UHS Heavy Mesh SR3	Single leaf inward opening security gate	2.4	0.870	3.0	3	913d/12
UHS Heavy Mesh SR3	Single leaf outward opening security gate	2.4	0.923	1.523	3	913d/12
UHS Heavy Mesh SR3	Single leaf inward opening padlockable security gate	2.4	0.863	3.0	3	913d/12
UHS Heavy Mesh SR3	Single leaf outward opening padlockable security gate	2.4	0.916	1.523	3	913d/12

Certificate No: 913n to LPS 1175: Issue 8

Security Gates

Product Name	Model	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Single leaf inward opening security gate	1.8, to 3.0	0.848	6.015	1	A1 (SR1)	913n/01
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Single leaf outward opening security gate	1.8 to 3.0	0.919	6.015	1, 2 or 3	A1 (SR1)	913n/01
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Single leaf inward opening padlockable security gate	1.8 to 3.0	0.848	6.015	4	A1 (SR1)	913n/01
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Single leaf outward opening padlockable security gate	1.8 to 3.0	0.919	6.015	4	A1 (SR1)	913n/01
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Double leaf inward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913n/01
Barbican 1	Barbed Top Extra Imperial Standard with Finials	Double leaf inward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913n/01

Certificate No: 913p to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Defender Xtreme 1	Single leaf inward opening security gate	1.8 to 3.0	0.848	6.015	1	A1 (SR1)	913p/01
Defender Xtreme 1	Single leaf outward opening security gate	1.8 to 3.0	0.919	6.015	1, 2 or 3	A1 (SR1)	913p/01
Defender Xtreme 1	Single leaf inward opening padlockable security gate	1.8 to 3.0	0.848	6.015	4	A1 (SR1)	913p/01
Defender Xtreme 1	Single leaf outward opening padlockable security gate	1.8 to 3.0	0.919	6.015	4	A1 (SR1)	913p/01
Defender Xtreme 1	Double leaf inward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913p/01
Defender Xtreme 1	Double leaf outward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913p/01

Certificate No: 913q to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Sentry 1	Single leaf inward opening security gate	1.8, to 3.0	0.848	6.015	1	A1 (SR1)	913q/01
Sentry 1	Single leaf outward opening security gate	1.8 to 3.0	0.919	6.015	1, 2 or 3	A1 (SR1)	913q/01
Sentry 1	Single leaf inward opening padlockable security gate	1.8 to 3.0	0.848	6.015	4	A1 (SR1)	913q/01
Sentry 1	Single leaf outward opening padlockable security gate	1.8 to 3.0	0.919	6.015	4	A1 (SR1)	913q/01
Sentry 1	Double leaf inward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913q/01
Sentry 1	Double leaf outward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913q/01

Certificate No: 913r to LPS 1175: Issue 8

Security Gates

Product Name	Model	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Euroguard 1	Combi	Single leaf inward opening security gate	1.8 to 3.2	0.848	6.015	1	A1 (SR1)	913r/01
Euroguard	Combi	Single leaf outward opening security gate	1.8 to	0.919	6.015	1, 2 or 3	A1 (SR1)	913r/01

SECURITY GATES

1			3.2					
Euroguard 1	Combi	Single leaf inward opening padlockable security gate	1.8 to 3.2	0.848	6.015	4	A1 (SR1)	913r/01
Euroguard 1	Combi	Single leaf outward opening padlockable security gate	1.8 to 3.2	0.919	6.015	4	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Single leaf inward opening security gate	1.8 to 3.0	0.848	6.015	1	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Single leaf outward opening security gate	1.8 to 3.0	0.919	6.015	1.2 or 3	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Single leaf inward opening padlockable security gate	1.8 to 3.0	0.848	6.015	4	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Single leaf outward opening padlockable security gate	1.8 to 3.0	0.919	6.015	4	A1 (SR1)	913r/01
Euroguard 1	Combi	Double leaf inward opening padlockable security gate	1.8 to 3.2	1.5	10.185	4	A1 (SR1)	913r/01
Euroguard 1	Combi	Double leaf outward opening padlockable security gate	1.8 to 3.2	1.5	10.185	4	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Double leaf inward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913r/01
Euroguard 1	Platform Heavy	Double leaf outward opening padlockable security gate	1.8 to 3.0	1.5	10.185	4	A1 (SR1)	913r/01

Certificate No: 913s to LPS 1175: Issue 8

Certificate No: 913s to

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Securimesh Plus 2	Single leaf inward opening padlockable security gate	2.442	0.855	4.0	B3 (SR2)	913s/01
Securimesh Plus 2	Single leaf outward opening padlockable security gate	2.442	0.855	1.5	B3 (SR2)	913s/01

Certificate No: 913u to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Securimesh 1	Single leaf inward opening security gate	1.8 to 3.0	0.515	6.0	1	A1 (SR1)	913u/01
Securimesh 1	Single leaf outward opening security gate	1.8 to 3.0	0.549	6.0	1, 2 or 3	A1 (SR1)	913u/01
Securimesh 1	Single leaf inward opening padlockable security gate	1.8 to 4.0	0.515	6.0	4	A1 (SR1)	913u/01
Securimesh 1	Single leaf outward opening padlockable security gate	1.8 to 4.0	0.549	6.0	4	A1 (SR1)	913u/01
Securimesh 1	Double leaf inward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913u/01
Securimesh 1	Double leaf outward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913u/01

Certificate No: 913v to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Securimesh Plus 1	Single leaf inward opening security gate	1.8 to 3.0	0.515	6.0	1	A1 (SR1)	913v/01
Securimesh Plus 1	Single leaf outward opening security gate	1.8 to 3.0	0.549	6.0	1, 2 or 3	A1 (SR1)	913v/01
Securimesh Plus 1	Single leaf inward opening padlockable security gate	1.8 to 4.0	0.515	6.0	4	A1 (SR1)	913v/01
Securimesh Plus 1	Single leaf outward opening padlockable security gate	1.8 to 4.0	0.549	6.0	4	A1 (SR1)	913v/01
Securimesh Plus 1	Double leaf inward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913v/01
Securimesh Plus 1	Double leaf outward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913v/01

Certificate No: 913w to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
UHS 1 Extreme or Heavy	Single leaf inward opening security gate	1.8 to 3.0	0.515	6.0	1	A1 (SR1)	913w/01
UHS 1 Extreme or Heavy	Single leaf outward opening security gate	1.8 to 3.0	0.549	6.0	1, 2 or 3	A1 (SR1)	913w/01

SECURITY GATES

Heavy		3.0					
UHS 1 Extreme or Heavy	Single leaf inward opening padlockable security	1.8 to 4.0	0.515	6.0	4	A1 (SR1)	913w/01
UHS 1 Extreme or Heavy	Single leaf outward opening padlockable security gate	1.8 to 4.0	0.549	6.0	4	A1 (SR1)	913w/01
UHS 1 Extreme or Heavy	Double leaf inward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913w/01
UHS 1 Extreme or Heavy	Double leaf outward opening padlockable security gate	1.8 to 4.0	1.2	10.0	4	A1 (SR1)	913w/01

Certificate No: 913x to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
Securimesh Plus	Single leaf inward opening padlockable security gate	1.8 to 4.0	0.515	6.0	1	B1	913x/01
Securimesh Plus	Single leaf outward opening padlockable security gate	1.8 to 4.0	0.549	6.0	1	B1	913x/01
Securimesh Plus	Double leaf inward opening padlockable security gate	1.8 to 4.0	1.2	10.0	1	B1	913x/01
Securimesh Plus	Double leaf outward opening padlockable security gate	1.8 to 4.0	1.2	10.0	1	B1	913x/01

Certificate No: 913y to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking System	Security Rating	LPCB Ref. No.
UHS Extreme or Heavy	Single leaf inward opening padlockable security gate	1.8 to 4.0	0.515	6.0	1	B1	913y/01
UHS Extreme or Heavy	Single leaf outward opening padlockable security gate	1.8 to 4.0	0.549	6.0	1	B1	913y/01
UHS Extreme or Heavy	Double leaf inward opening padlockable security gate	1.8 to 4.0	1.2	10.0	1	B1	913y/01
UHS Extreme or Heavy	Double leaf outward opening padlockable security gate	1.8 to 4.0	1.2	10.0	1	B1	913y/01

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Certificate No: 1668a to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules Auto S1	Bi-folding bi-parting gate	1.8 to 5.5	2.0	12	A1 (SR1)	1668a/01
Hercules Auto S2	Bi-folding bi-parting gate	2.0 to 5.5	2.0	12	B3 (SR2)	1668a/02

Certificate No: 1668b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules Auto S1	Single bi-folding gate	1.8 to 5.5	1.5	6.0	A1 (SR1)	1668b/01
Hercules Auto S2	Single bi-folding gate	2.0 to 5.5	1.5	6.0	B3 (SR2)	1668b/02

Certificate No: 1668c to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Hercules Auto S1	Single leaf inward opening gate	1.8 to 5.5	1.0	8.0	A1 (SR1)	1668c/01
Hercules Auto S1	Double leaf inward opening gate	1.8 to 5.5	2.0	14.0	A1 (SR1)	1668c/01
Hercules Auto S2	Single leaf inward opening gate	2.0 to 5.5	1.0	8.0	B3 (SR2)	1668c/02

SECURITY GATES

Hercules Auto S2	Double leaf inward opening gate	2.0 to 5.5	2.0	14.0	B3 (SR2)	1668c/02
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E-mail: info@heras.co.uk • Website: www.heras.co.uk

Certificate No: 1454c to LPS 1175: Issue 7

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Zenith SR3	Single leaf outward opening gate	2.22	1.32	1.32	3	1454c/01
Zenith SR3	Double leaf outward opening gate	3.0	2.2	6.2	3	1454c/01

Certificate No: 1454h to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Zenith B203 B3	Single leaf inward/outward opening gate	2.0	4.2	1.2	2.0	B3 (SR2)	1454h/01
Zenith B203 B3	Double leaf inward/outward opening gate	2.0	4.2	2.0	10.0	B3 (SR2)	1454h/01

Certificate No: 1454i to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Zenith B201 A1	Single leaf inward/outward opening gate	1.8	4.2	1.2	2.0	A1 (SR1)	1454i/01
Zenith B201 A1	Double leaf inward/outward opening gate	1.8	4.2	2.0	10.0	A1 (SR1)	1454i/01

Certificate No: 1454j to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Pallas B201 A1	Single leaf inward/outward opening gate	1.8	4.2	1.2	2.0	A1 (SR1)	1454j/01
Pallas B201 A1	Double leaf inward/outward opening gate	1.8	4.2	2.0	10.0	A1 (SR1)	1454j/01

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Certificate No: 1620a to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Xentry 3 Top-driven speedgate	Bi-folding gate	2.0 to 4.5	2.0	3.5	B3 (SR2)	1620a/01
Xentry 3 Top-driven speedgate	Bi-folding bi-parting gate	2.0 to 4.5	2.0	7.0	B3 (SR2)	1620a/01

SECURITY GATES

Inova Gates Limited

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Certificate No: 1629a to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Device	Security Rating	LPCB Ref. No.
Inova 200	Automatic cantilever sliding gate	1.8	2.4	4.0	8.0	Secured using integral motor	A1 (SR1)	1629a/01
Inova 280	Automatic cantilever sliding gate	1.8	3.0	6.0	12.0	Secured using integral motor	A1 (SR1)	1629a/02
Inova 400	Automatic cantilever sliding gate	1.8	2.4	12.0	16.0	Secured using integral motor	A1 (SR1)	1629a/03
Inova 400:HSS	Automatic cantilever sliding gate	1.8	6.0	6.0	10.0	Secured using integral motor	A1 (SR1)	1629a/04

Certificate No: 1629b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Device	Security Rating	LPCB Ref. No.
Inova 200	Automatic cantilever sliding gate	2.0	2.4	4.0	8.0	Secured using integral motor	B3 (SR2)	1629b/01
Inova 280	Automatic cantilever sliding gate	2.0	3.0	6.0	12.0	Secured using integral motor	B3 (SR2)	1629b/02
Inova 400	Automatic cantilever sliding gate	2.0	2.4	12.0	16.0	Secured using integral motor	B3 (SR2)	1629b/03
Inova 400 HSS	Automatic cantilever sliding gate	2.0	6.0	6.0	10.0	Secured using integral moto	B3 (SR2)	1629b/04

Certificate No: 1629c to LPS 1175: Issue 8

Security Gates

Product Name	Model	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Device	Security Rating	LPCB Ref. No.
Inova	200	Automatic cantilever sliding gate	2.4	2.4	4.0	8.0	Secured using integral motor	C5 (SR3)	1629c/01
Inova	280	Automatic cantilever sliding gate	2.4	3.0	6.0	12.0	Secured using integral motor	C5 (SR3)	1629c/02
Inova	400	Automatic cantilever sliding gate	2.4	2.4	12.0	16.0	Secured using integral motor	C5 (SR3)	1629c/03
Inova	400 HSS	Automatic cantilever sliding gate	2.4	6.0	6.0	10.0	Secured using integral motor	C5 (SR3)	1629c/04

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Certificate No: 1337c to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin Combi Palisade Gate	Single leaf outward opening gate	2.4	1.0	2.0	G1	1337c/01
Lochrin Combi Palisade Gate	Double leaf inward opening gate	2.4	2.0	12.0	G1	1337c/01

Certificate No: 1337e to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin FlatGuard Gate	Single leaf Inward opening gate	1.83 to 3.03	1.0	2.5	A1 (SR1)	1337e/01
Lochrin FlatGuard Gate	Single leaf outward opening gate	1.83 to 3.03	1.0	2.5	A1 (SR1)	1337e/01
Lochrin FlatGuard Gate	Double leaf inward opening gate	1.83 to 3.03	2.0	12	A1 (SR1)	1337e/01

SECURITY GATES

Lochrin FlatGuard Gate	Double leaf outward opening gate	1.83 to 3.03	2.0	12	A1 (SR1)	1337e/01
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Certificate No: 1337g to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin 358 Gate	Single leaf inward opening gate	1.8 to 3.0	1.0	2.5	A1 (SR1)	1337g/01
Lochrin 358 Gate	Single leaf outward opening gate	1.8 to 3.0	1.0	2.5	A1 (SR1)	1337g/01
Lochrin 358 Gate	Double leaf inward opening gate	1.8 to 3.0	2.0	12	A1 (SR1)	1337g/01
Lochrin 358 Gate	Double leaf outward opening gate	1.8 to 3.0	2.0	12	A1 (SR1)	1337g/01

Certificate No: 1337i to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin Combi Gate	Single leaf inward opening gate	1.8 to 3.0	1.0	2.5	A1 (SR1)	1337i/01
Lochrin Combi Gate	Single leaf outward opening gate	1.8 to 3.0	1.0	2.5	A1 (SR1)	1337i/01
Lochrin Combi Gate	Double leaf inward opening gate	1.8 to 3.0	2.0	12	A1 (SR1)	1337i/01
Lochrin Combi Gate	Double leaf outward opening gate	1.8 to 3.0	2.0	12	A1 (SR1)	1337i/01

Certificate No: 1337k to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Heights (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin Defender SL3	Single leaf inward opening gate	2.4, 3.0	0.9	2.0	C5 (SR3)	1337k/01
Lochrin Defender SL3	Double leaf inward opening gate	2.4, 3.0	3.0	12.0	C5 (SR3)	1337k/01

Certificate No: 1337n to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Lochrin Combi SL2	Single leaf inward opening gate	2.4, 3.0	1.0	2.5	B3 (SR2)	1337n/01
Lochrin Combi SL2	Double leaf inward opening gate	2.4, 3.0	2.0	12.0	B3 (SR2)	1337n/01
Lochrin Combi SL2	Single leaf outward opening gate	2.4, 3.0	1.0	2.5	B3 (SR2)	1337n/01
Lochrin Combi SL2	Double leaf outward opening gate	2.4, 3.0	2.0	12.0	B3 (SR2)	1337n/01

Certificate No: 1337q to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices Active Leaf	Compatible Locking Devices Passive Leaf	Security Rating	LPCB Ref. No.
UltraGUARD SL2	Single leaf inward opening gate	2.4, 3.0	1.198	1.998	1	N/A	B3 (SR2)	1337q/01
UltraGUARD SL2	Double leaf inward opening gate	2.4, 3.0	1.2	15.0	1	2	B3 (SR2)	1337q/01

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Certificate No: 1097d to LPS 1175: Issue 7

Security Gates

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SBD G-75	Single leaf outward opening gate	0.579	3.139	0.526	1.926	2	1097d/01
SBD G-75	Single leaf outward opening gate with side and/or over panels	0.579	6.0	0.526	Unlimited	2	1097d/01
SBD G-75	Single leaf inward opening gate	0.579	3.139	0.526	1.926	2	1097d/01
SBD G-75	Single leaf inward opening gate with side and/or over panels	0.579	6.0	0.526	Unlimited	2	1097d/01

SECURITY GATES

Certificate No: 1097e to LPS 2081: Issue 1

Security Gates

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
SBD G-81	Single leaf outward opening gate	0.579	3.139	0.526	1.926	B	1097e/01
SBD G-81	Single leaf outward opening gate with side and/or over panels	0.579	6.0	0.526	Unlimited	B	1097e/01
SBD G-81	Single leaf inward opening gate	0.579	3.139	0.526	1.926	B	1097e/01
SBD G-81	Single leaf inward opening gate with side and/or over panels	0.579	6.0	0.526	Unlimited	B	1097e/01

Certificate No: 1097n to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Locking Devices Active Leaf	Compatible Locking Devices Passive Leaf	Security Rating	LPCB Ref. No.
Kratos	Single leaf outward opening gate	2.0 to 4.0	2.0	5.0	1 to 3	N/A	B3 (SR2)	1097n/01
Kratos	Double leaf outward opening gate	2.0 to 4.0	4.0	10.0	1 to 3	4	B3 (SR2)	1097n/01

Certificate No: 1097p to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Kraken 2	Automatic or manual cantilever sliding gate	0.5	4.0	1.6	12.0	B3 (SR2)	1097p/01

Certificate No: 1097q to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Kraken 3	Automatic or manual cantilever sliding gate	0.5	6.0	3.0	12.0	C5 (SR3)	1097q/01

Certificate No: 1097r to LPS 1175: Issue 8

Security Gates

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Kraken 4	Automatic or manual cantilever sliding gate	0.5	6.0	3.0	12.0	D10 (SR4)	1097r/01

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Certificate No: 1554a to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Pro-Secure Swing	Single leaf inward opening security gate	1.8, 2.0, 2.4, 3.0 and 3.6	1.2	5.0	A1 (SR1)	1554a/01
Pro-Secure Swing	Double leaf inward opening security gate	1.8, 2.0, 2.4, 3.0 and 3.6	2.0	10	A1 (SR1)	1554a/01

Certificate No: 1554b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Pro-Secure Ultra Swing	Single leaf inward opening security gate	2.0, 2.4, 3.0 and 3.6	1.2	5.0	B3 (SR2)	1554b/01

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Pro-Secure Ultra Swing Double leaf inward opening security gate 2.0, 2.4, 3.0 and 3.6 2.0 10 B3 (SR2) 1554b/01

Certificate No: 1554c to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Pro-Secure Sliding	Cantilevered sliding security gate	1.8, 2.0, 2.4 and 3.0	3.0	10	A1 (SR1)	1554c/01

Certificate No: 1554d to LPS 1175: Issue 8

Security Gates

Product Name	Type	Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Pro-Secure Ultra Sliding	Cantilevered sliding security gate	2.0, 2.4 and 3.0	3.0	10	B3 (SR2)	1554d/01

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Certificate No: 1523b to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Compatible Locking Device	Security Rating	LPCB Ref. No.
Salus Sliding Gate Model 3	Cantilever sliding gate	2.0 to 3.0	4.0	8.0	Secured using integral motor or 1	B3 (SR2)	1523b/01

Certificate No: 1523c to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Clear Opening Width (m)	Maximum Clear Opening Width (m)	Compatible Locking Device	Security Rating	LPCB Ref. No.
Salus Sliding Gate Model 5	Cantilever sliding gate	2.4 to 3.0	4.0	8.0	Secured using integral motor or 1	C5 (SR3)	1523c/01

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Certificate No: 731f to LPS 1175: Issue 7

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Compatible Padlocks	Security Rating	LPCB Ref. No.
ExMesh™ SR3	Inward opening single leaf padlockable gate	2.465 and 2.975	1.0	1.5	F	3	731f/01
ExMesh™ SR3	Inward opening double leaf padlockable gate	2.465 and 2.975	2.0	5.0	F	3	731f/01
ExMesh™ SR2	Inward or outward opening single leaf padlockable gate	2.0 to 3.325	0.8	2.0	A to E, G and H	2	731f/02
ExMesh™ SR2	Inward or outward opening double leaf padlockable gate	2.0 to 3.325	2.0	12.0	A to E, G and H	2	731f/02

Certificate No: 731g to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
ExMesh™ Class 2	Inward or outward opening single leaf padlockable gate	2.0 to 3.325	0.8	2.0	B3 (SR2)	731g/01
ExMesh™ Class 2	Inward or outward opening double leaf padlockable gate	2.0 to 3.325	1.5	12	B3 (SR2)	731g/01

SECURITY GATES

Certificate No: 731i to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
ExMesh™ Class 1	Inward or outward opening single leaf padlockable gate	1.855 to 3.325	0.8	2.0	A1 (SR1)	731i/01
ExMesh™ Class 1	Inward or outward opening double leaf padlockable gate	1.855 to 3.325	1.5	12.0	A1 (SR1)	731i/01

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Certificate No: 1164h to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Nominal Clear Opening Width (m)	Maximum Nominal Clear Opening Width (m)	Security Rating	LPCB Ref. No.
Duo8	Single leaf inward opening padlockable hinged gate with base-plated posts	1.84	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with base-plated posts	2.04	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with base-plated posts	2.44	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with base-plated posts	3.03	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with buried ('in-ground') posts	1.83	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.03	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.43	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Single leaf inward opening padlockable hinged gate with buried ('in-ground') posts	3.03	1.0	1.56	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	1.84	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	1.84	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	2.04	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	2.04	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	2.415	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	2.415	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	3.02	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with base-plated posts	3.02	3.2	5.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	1.83	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	1.83	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.03	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.03	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.43	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	2.43	3.2	4.89	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	3.03	2.0	3.09	A1 (SR1)	1164h/01
Duo8	Double leaf inward opening padlockable hinged gate with buried ('in-ground') posts	3.03	3.2	5.09	A1 (SR1)	1164h/01

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SECURITY GATES

Product Name	Type	Nominal Height (m)	Minimum Nominal Clear Opening Width (m)	Maximum Nominal Clear Opening Width (m)	Security Rating	LPCB Ref. No.
HiSec 358	Single leaf inward opening padlockable hinged gate with base-plated posts	2.07	1.0	1.585	A1 (SR1)	1164i/01
HiSec 358	Single leaf inward opening padlockable hinged gate with base-plated posts	2.47	1.0	1.585	A1 (SR1)	1164i/01
HiSec 358	Single leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.075	1.0	1.585	A1 (SR1)	1164i/01
HiSec 358	Single leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	1.0	1.585	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	2.47	2.0	3.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	3.07	2.0	3.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	2.475	3.2	5.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	3.075	3.2	5.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	2.48	5.0	7.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with base-plated posts	3.08	5.0	7.135	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	2.0	3.105	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	2.0	3.105	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	3.2	5.105	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	3.2	5.105	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	5.0	7.105	A1 (SR1)	1164i/01
HiSec 358	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	5.0	7.105	A1 (SR1)	1164i/01
HiSec 358	Single leaf inward opening padlockable hinged gate with lintel overpanel and buried ('in ground') posts	3.0	1.0	1.56	A1 (SR1)	1164i/01

Certificate No: 1164j to LPS 1175: Issue 8

Security Gates

Product Name	Type	Nominal Height (m)	Minimum Nominal Clear Opening Width (m)	Maximum Nominal Clear Opening Width (m)	Security Rating	LPCB Ref. No.
HiSec Super-10	Single leaf inward opening padlockable hinged gate with base-plated posts	2.07	1.0	1.585	B3 (SR2)	1164j/01
HiSec Super-10	Single leaf inward opening padlockable hinged gate with base-plated posts	2.47	1.0	1.585	B3 (SR2)	1164j/01
HiSec Super-10	Single leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.075	1.0	1.585	B3 (SR2)	1164j/01
HiSec Super-10	Single leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	1.0	1.585	B3 (SR2)	1164j/01
HiSec Super-10	Single leaf outward opening padlockable hinged gate with burried ('in-ground') posts	2.075	1.0	1.61	B3 (SR2)	1164j/01
HiSec Super-10	Single leaf outward opening padlockable hinged gate with burried ('in-ground') posts	2.475	1.0	1.61	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	2.47	2.0	3.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	3.07	2.0	3.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	2.475	3.2	5.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	3.075	3.2	5.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	2.48	5.0	7.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with base-plated posts	3.08	5.0	7.135	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	2.0	3.105	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	2.0	3.105	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	3.2	5.105	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	3.2	5.105	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	2.475	5.0	7.105	B3 (SR2)	1164j/01
HiSec Super-10	Double leaf inward opening padlockable hinged gate with burried ('in-ground') posts	3.075	5.0	7.105	B3 (SR2)	1164j/01
HiSec	Double leaf outward opening padlockable hinged gate	2.475	2.0	3.185	B3	1164j/01

SECURITY GATES

Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	3.075	2.0	3.185	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	2.475	3.2	5.185	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	3.075	3.2	5.185	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	2.475	5.0	7.225	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	3.075	5.0	7.225	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	
HiSec	Double leaf outward opening padlockable hinged gate	4.075	5.0	5.225	B3	1164j/01
Super-10	with buried ('in-ground') posts				(SR2)	

SECURITY GATES

Security glazing listed in this section has been certified to one or more of the following standards:

- LPS 1270 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units.*
- EN 356: 2000 *Glass in Building - Security Glazing. Testing and classification of resistance against manual attack.*
- EN 1063: 2000 *Glass in building. Security Glazing. Testing and classification of resistance against bullet attack.*

LPS 1270 was developed because it was considered the method for classifying the attack resistance of security glazing specified within the current European standard (EN 356: 2000) was incompatible with that employed within LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.* This was because:

- EN 356: 2000 does not classify glass according to its resistance to different levels of attack based on the tools and time available to an intruder.
- The tests contained within EN 356: 2000 do not evaluate the glass's susceptibility to attacks involving the creation of small holes through which locking hardware may be manipulated and/or protected items, such as items on display within shop windows or display cases, may be removed.

The LPS 1270 classification system contains three digits. Each digit describes the glazing's resistance to creation of a different size of hole, as described in the table below.

Digit	Type	Test Block	Notes
1 st	Local penetration	8 mm (+3 mm/-0 mm) by 25 mm (+3 mm/-0 mm) rectangular section	Represents the glazing's likely resistance to creation of a hole through which a piece of wire, screwdriver, lever or other such device can be passed. Such an attack may be attempted by an intruder wishing to operate a panic bar, emergency lever handle or other non-deadlocked device capable of releasing the boltwork on the item in which the glazing is mounted or on an item directly adjacent to that in which the glazing is mounted.
2 nd	Hand hole	60 mm (+3 mm/-0 mm) diameter	Represents the glazing's likely resistance to creation of a hand hole. Such an attack may be attempted by an intruder wishing to: <ul style="list-style-type: none"> · Operate a thumbturn to release the boltwork on the item in which the glazing is mounted or on an item directly adjacent to that in which the glazing is mounted. · Retrieve an item from the protected side of the glass eg an item on display behind a shop window, a set of door keys or a set of car keys.
3 rd	Complete access	Elliptical section of 400 mm (+3 mm/-0 mm) major axis by 225 mm (+3 mm/-0 mm) minor axis	This reflects the size of aperture specified in LPS 1175. The digit confirms the glazing's resistance to creation of a hole through which an elliptical test block measuring 400 mm by 225 mm may be passed. This replicates the size a person may be able to pass through and reflects the test block defined in LPS 1175.

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Certificate No: 997a to LPS 1270: Issue 1

Laminated Security Glazing

Product Name	Type	Nominal Total Thickness (mm)	Nominal Weight kg/m ²	Security Rating	LPCB Ref. No.
ESG Secure 001	Laminated single glazing unit1,2,3	16.5	37	001	997a/09
ESG Secure 012	Laminated single glazing unit1,2,3	20.5	38	012	997a/10
ESG Secure 013	Laminated single glazing unit1,2,3	22.5	41	013	997a/11
ESG Secure 123	Laminated single glazing unit1,2,3	26.5	46	123	997a/12
ESG Secure 113	Laminated single glazing unit1,2,3	34	61	113	997a/13
ESG Secure 224	Laminated single glazing unit1,2,3	42	72	224	997a/14
ESG Secure 234	Laminated single glazing unit1,2,3	45	71	234	997a/15
ESG Secure 235	Laminated single glazing unit1,2,3	60	100	235	997a/16

SECURITY GLAZING

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Certificate No: 1100a to LPS 1270: Issue 1

Laminated Security Glazing

Product Name	Type	Nominal Total Thickness (mm) ¹	Nominal Weight (kg/m ²)	Security Rating	LPCB Ref. No.
Tecdur TSG SC12	Laminated single glazed unit	12	19	112	1100a/01
Tecdur TSG SC12 DGU	Laminated double glazed unit	30.4	34	112	1100a/02
Tecdur TSG SC14	Laminated single glazed unit	14	22	123	1100a/03
Tecdur TSG SC14 DGU	Laminated double glazed unit	32.4	37	123	1100a/04
Tecdur TSG SC40 BR4NS	Laminated single glazed unit	40	55.8	235	1100a/05
Tecdur TSG DC51GG	Laminated single glazed unit incorporating 'G1' grid pattern	51	94	246	1100a/06
Tecdur TSG DC51GG	Laminated single glazed unit incorporating 'G2' grid pattern	51	97	246	1100a/06
Tecdur TSG DC51GG	Laminated single glazed unit incorporating 'G3' grid pattern	51	99	246	1100a/06
Tecdur TSG DC51GG	Laminated single glazed unit incorporating 'G4' grid pattern	51	90	246	1100a/06
Tecdur TSG DC16	Laminated single glazed unit	16	29	011	1100a/07
Tecdur TSG DC34	Laminated single glazed unit	34	50	234	1100a/08

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Certificate No: 1740a to LPS 1270: Issue 1

Laminated Security Glazing

Product Name	Type	Nominal Total Thickness (mm)	Nominal Weight (kg/m)	Security Rating	LPCB Ref. No.
24-0-0-1-LamitecSuper™	Laminated single glazed unit	15.04	32.89	001	1740a/01
31-0-1-1-LamitecSuper™	Laminated single glazed unit	20.08	40.78	011	1740a/02
38-0-1-1-LamitecSuper™	Laminated single glazed unit	24.08	50.78	011	1740a/03
43-1-1-1-LamitecSuper™	Laminated single glazed unit	27.60	57.22	111	1740a/04
47-1-1-2-LamitecSuper™	Laminated single glazed unit	29.60	62.22	112	1740a/05
55-1-1-2-LamitecSuper™	Laminated single glazed unit	35.12	73.66	112	1740a/06
63-1-2-3-LamitecSuper™	Laminated single glazed unit	40.64	85.11	123	1740a/07
75-1-2-3-LamitecSuper™	Laminated single glazed unit	48.16	101.55	123	1740a/08

Security grilles, blinds and barsets listed in this section are certified to either:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 2081

SECURITY GRILLES, BLINDS AND BARSETS

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Introduction to EN 1627

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to Resistance Class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

Suitability

Products approved to LPS 2081 and EN 1627 (resistance classes 1 to 3) should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to LPS 1175. Likewise, specifications should reference LPS 1175 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

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Certificate No: 1165b to LPS 1175: Issue 7

Security Barsets

Product Name	Type1	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
BSecure SR3	Internally face fixed security barset	0.325	Unlimited	0.325	Unlimited	3	1165b/01
BSecure SR3	Externally face fixed security barset	0.325	Unlimited	0.325	Unlimited	3	1165b/01
BSecure SR3	Reveal fixed security barset	0.325	Unlimited	0.325	Unlimited	3	1165b/01
BSecure SR4	Internally face fixed security barset	0.325	Unlimited	0.325	Unlimited	4	1165b/02
BSecure SR4	Externally face fixed security barset	0.325	Unlimited	0.325	Unlimited	4	1165b/02
BSecure SR4	Reveal fixed security barset	0.325	Unlimited	0.325	Unlimited	4	1165b/02

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Certificate No: 312g to LPS 1175: Issue 7

Security Grilles

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Vertex SR2	Single sash collapsible security grille	1.631	4.16	1.8	Unlimited	2	312g/02
Vertex SR2	Double sash collapsible security grille	1.631	4.16	3.3	Unlimited	2	312g/02
Vertex	Single sash collapsible	1.631	4.16	1.8	Unlimited	3	312g/03

SECURITY GRILLES, BLINDS AND BARSETS

SR3	security grille						
Vertex	Double sash collapsible	1.631	4.16	3.3	Unlimited	3	312g/03
SR3	security grille						

Certificate No: 312k to LPS 1175: Issue 7

Security Barsets

Product Name	Type1	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Spartan2	Internally face fixed security barset	0.3	Unlimited	0.3	Unlimited	2	312k/01
Spartan2	Externally face fixed security barset	0.3	Unlimited	0.3	Unlimited	2	312k/01
Spartan2	Reveal fixed security barset	0.4	Unlimited	0.4	Unlimited	2	312k/01
Spartan3	Internally face fixed security barset	0.3	Unlimited	0.3	Unlimited	3	312k/02
Spartan3	Externally face fixed security barset	0.3	Unlimited	0.3	Unlimited	3	312k/02
Spartan3	Reveal fixed security barset	0.4	Unlimited	0.4	Unlimited	3	312k/02

Certificate No: 312p to LPS 1175: Issue 8

Fixed Security Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Liddle Series 2 security barset	Reveal mounted security barset	0.4	3.0	0.4	3.0	B3 (SR2)	312p/01
Liddle Series 2 security barset	Internally or externally face fixed security barset	0.1	2.54	0.1	2.54	B3 (SR2)	312p/01

Certificate No: 312q to LPS 1175: Issue 8

Fixed Security Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Liddle Series 4 security barset	Internally face fixed security barset	0.325	2.54	0.325	2.54	D10 (SR4)	312q/01
Liddle Series 4 security barset	Reveal mounted security barset	0.325	3.0	0.325	3.0	D10 (SR4)	312q/01

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Certificate No: 1000h to LPS 1175: Issue 7

Security Barsets

Product Name	Type1	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Typhon SR2	Internally face fixed security barset	0.3	Unlimited	0.3	Unlimited	2	1000h/01
Typhon SR2	Externally face fixed security barset	0.3	Unlimited	0.3	Unlimited	2	1000h/01
Typhon SR2	Reveal fixed security barset	0.4	Unlimited	0.4	Unlimited	2	1000h/01
Typhon SR3	Internally face fixed security barset	0.3	Unlimited	0.3	Unlimited	3	1000h/02
Typhon SR3	Externally face fixed security barset	0.3	Unlimited	0.3	Unlimited	3	1000h/02
Typhon SR3	Reveal fixed security barset	0.4	Unlimited	0.4	Unlimited	3	1000h/02

SECURITY GRILLES, BLINDS AND BARSETS

Centurion Level 2	Single gate collapsible grille	2.0	3.5	1.7	20	B3 (SR2)	1640b/01
Centurion Level 2	Single gate, double track collapsible grille	2.0	3.5	1.7	20	B3 (SR2)	1640b/01
Centurion Level 2	Double gate collapsible grille	2.0	3.5	1.7	20	B3 (SR2)	1640b/01
Centurion Level 2	Double gate, double track collapsible grille	2.0	3.5	3.5	20	B3 (SR2)	1640b/01

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Certificate No: 1664a to LPS 1175: Issue 8

Security Blinds

Product Name	Configuration	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Secur CJ4	Single leaf inward opening	0.5	1.8	0.457	1.432	D5	1664a/01
Secur CJ4T	Single leaf inward opening with transom	1.0	2.5	0.457	1.432	D5	1664a/01

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Certificate No: 1236c to LPS 1175: Issue 8

Fixed Security Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Defence System Extreme Lattice	Internal face fixed security barset	0.35	Unlimited	0.35	Unlimited	C5 (SR3)	1236c/01
Defence System Extreme Lattice	Reveal fixed security barset	0.51	Unlimited	0.51	Unlimited	C5 (SR3)	1236c/01

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Certificate No: 953aa to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Centaur 3	Internal or external face fixed security barset	0.325	1.1	0.325	1.1	C5 (SR3)	953aa/01
Centaur 3	Reveal mounted security barset	0.325	1.1	0.325	1.1	C5 (SR3)	953aa/01
Centaur 3	Modular internal or external face fixed security	0.325	Unlimited	0.325	Unlimited	C5 (SR3)	953aa/01
Centaur 3	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	C5 (SR3)	953aa/01

Certificate No: 953m to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
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SECURITY GRILLES, BLINDS AND BARSETS

Centaur 2	Internal or external face fixed security barset	0.325	1.1	0.325	1.1	B3 (SR2)	953m/01
Centaur 2	Reveal mounted security barset	0.325	1.1	0.325	1.1	B3 (SR2)	953m/01
Centaur 2	Modular internal or external face fixed security barset	0.325	Unlimited	0.325	Unlimited	B3 (SR2)	953m/01
Centaur 2	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	B3 (SR2)	953m/01

Certificate No: 953n to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Centaur 4	Internal or external face fixed security barset	0.325	1.1	0.325	1.1	D10 (SR4)	953n/01
Centaur 4	Reveal mounted security barset	0.325	1.1	0.325	1.1	D10 (SR4)	953n/01
Centaur 4	Modular internal or external face fixed security	0.325	Unlimited	0.325	Unlimited	D10 (SR4)	953n/01
Centaur 4	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	D10 (SR4)	953n/01

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Certificate No: 516e to LPS 1175: Issue 8

Security Barsets

Product Name	Type	LPS 11 Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Warwick	Internal or external face fixed security barset	0.40	5.90	0.40	5.90	B3 (SR2)	516e/01
Warwick	Reveal mounted security barset	0.51	6.01	0.51	6.01	B3 (SR2)	516e/01
Warwick	Modular internal or external face fixed security barset	0.40	Unlimited	0.40	Unlimited	B3 (SR2)	516e/01
Warwick	Modular reveal mounted security barset	0.51	Unlimited	0.51	Unlimited	B3 (SR2)	516e/01

Certificate No: 516f to LPS 1175: Issue 8

Security Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Carlisle	Internal or external face fixed security barset	0.325	5.90	0.325	5.90	C5 (SR3)	516f/01
Carlisle	Reveal mounted security barset	0.39	6.01	0.39	6.01	C5 (SR3)	516f/01
Carlisle	Modular internal or external face fixed security barset	0.325	Unlimited	0.325	Unlimited	C5 (SR3)	516f/01
Carlisle	Modular reveal mounted security barset	0.30	Unlimited	0.30	Unlimited	C5 (SR3)	516f/01

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Certificate No: 1071i to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Configuration	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Protect	Internal or external face fixed	0.525	10.0	0.525	10.0	B3	1071i/01

SECURITY GRILLES, BLINDS AND BARSETS

ProBar 2	security barset					(SR2)	
Protect ProBar 2	Reveal mounted security barset	0.325	10.0	0.325	10.0	B3 (SR2)	1071i/01
Protect ProBar 2	Modular Internal or external face fixed security barset	0.525	Unlimited	0.525	Unlimited	B3 (SR2)	1071i/01
Protect ProBar 2	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	B3 (SR2)	1071i/01

Certificate No: 1071j to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Configuration	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Protect ProBar 3	Internal or external face fixed security barset	0.525	10.0	0.525	10.0	C5 (SR3)	1071j/01
Protect ProBar 3	Reveal mounted security barset	0.325	10.0	0.325	10.0	C5 (SR3)	1071j/01
Protect ProBar 3	Modular internal or external face fixed security barset	0.525	Unlimited	0.525	Unlimited	C5 (SR3)	1071j/01
Protect ProBar 3	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	C5 (SR3)	1071j/01

Certificate No: 1071m to LPS 1175: Issue 8

Individual and Modular Barsets

Product Name	Configuration	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Protect ProBar 4	Internal or external face fixed security barset	0.525	10.0	0.525	10.0	D10 (SR4)	1071m/01
Protect ProBar 4	Reveal mounted security barset	0.325	10.0	0.325	10.0	D10 (SR4)	1071m/01
Protect ProBar 4	Modular internal or external face fixed security barset	0.525	Unlimited	0.525	Unlimited	D10 (SR4)	1071m/01
Protect ProBar 4	Modular reveal mounted security barset	0.325	Unlimited	0.325	Unlimited	D10 (SR4)	1071m/01

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Certificate No: 1071g to LPS 1175: Issue 7

Fixed Security Barsets

Product Name	Product Type	Installation	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Steelway Anti-Intruder	Individual security barset	Reveal mounted	0.55	2.1	0.55	2.1	3	1071g/01
Steelway Anti-Intruder	Individual security barset	External face fixed	0.45	2.0	0.45	2.0	3	1071g/01
Steelway Anti-Intruder	Individual security barset	Internal face fixed	0.45	2.0	0.45	2.0	3	1071g/01
Steelway Anti-Intruder	Modular security barset	Reveal mounted	0.55	Unlimited	0.55	Unlimited	3	1071g/01
Steelway Anti-Intruder	Modular security barset	External face fixed	0.45	Unlimited	0.45	Unlimited	3	1071g/01
Steelway Anti-Intruder	Modular security barset	Internal face fixed	0.45	Unlimited	0.45	Unlimited	3	1071g/01

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Certificate No: 234h to LPS 1175: Issue 7

Fixed Security Barsets

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SECURITY GRILLES, BLINDS AND BARSETS

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
ExcluGrille 3	Internal face fixed security barset	0.325	2.5	0.325	3.0	3	234h/01
ExcluGrille 3	External face fixed security barset	0.325	2.5	0.325	3.0	3	234h/01
ExcluGrille 3	Reveal mounted security barset	0.370	2.5	0.325	3.0	3	234h/01
ExcluGrille 4	Internal face fixed security barset	0.4751	2.5	0.325	3.0	4	234h/02
ExcluGrille 4	External face fixed security barset	0.4751	2.5	0.325	3.0	4	234h/02
ExcluGrille 4	Reveal mounted security barset	0.685	2.5	0.685	3.0	4	234h/02

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Certificate No: 390d to LPS 1175: Issue 7

Security Grilles

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SeceuroGuard 1001	Single gate collapsible security grille	1	3	0.4	Unlimited	1	390d/01
SeceuroGuard 1001	Double gate collapsible security grille	1	3	0.5	Unlimited	1	390d/01
SeceuroGuard 1001 "Fixed"	Fixed security grille	1	3	0.4	Unlimited	1	390d/01
SeceuroGuard 1001 "Floating"	Single and multiple gate collapsible security grille	1	3	0.4	Unlimited	1	390d/01
SeceuroGuard 1001s	Single gate collapsible security grille	1	3	0.4	Unlimited	1	390d/02
SeceuroGuard 1001s	Double gate collapsible security grille	1	3	0.5	Unlimited	1	390d/02
SeceuroGuard 1001s "Fixed"	Fixed security grille	1	3	0.4	Unlimited	1	390d/02
SeceuroGuard 1001s "Floating"	Single and multiple gate collapsible security grille	1	3	0.4	Unlimited	1	390d/02

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Certificate No: 450m to LPS 1175: Issue 7

Fixed Security Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
WB/DV/3 UltraSecure Window Bar Set	Reveal mounted security barset	0.4	Unlimited	0.4	Unlimited	3	450m/01
Type WB/DV/3 UltraSecure Window Bar Set	Internally face fixed security barset	0.4	Unlimited	0.4	Unlimited	3	450m/01

Certificate No: 450t to LPS 1175: Issue 8

Fixed Security Barsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
WB/DV/4 UltraSecure Window Bar Set	Reveal mounted security barset	0.4	Unlimited	0.4	Unlimited	D10 (SR4)	450t/01
WB/DV/4 UltraSecure Window Bar Set	Internally face fixed security barset	0.4	Unlimited	0.4	Unlimited	D10 (SR4)	450t/01

SECURITY GRILLES, BLINDS AND BARSETS

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Certificate No: 474a to LPS 1175: Issue 5

Security Grilles

Product Name	Model	Type	Minimum Height(m)	Minimum Width(m)	Maximum Height(m)	Maximum Width(m)	SecurityRating	LPCB Ref. No.
Trellidor Trojan II - T1000	Standard	Single gate collapsible security grille	1.195	1.0	3.0	5.0	2	474a/04
Trellidor Trojan II - T1000	Flexi	Single gate collapsible security grille Single gate collapsible security grille	1.195	1.0	3.0	5.0	2	474a/04
Trellidor Trojan II - T1000	Fixture	Single gate collapsible security grille	1.195	1.0	3.0	5.0	2	474a/04
Trellidor Trojan II - T1000	Double	Double gate collapsible security grille	1.195	2.0	3.0	10.0	2	474a/04
Trellidor Trojan II - T1000	Double flexi	Double gate collapsible security grille	1.195	2.0	3.0	10.0	2	474a/04
Trellidor Trojan II EMESC - T1000	Standard	Single gate collapsible security grille	1.78	1.0	3.0	5.0	2	474a/05
Trellidor Trojan II EMESC - T1000	Flexi	Single gate collapsible security grille	1.78	1.0	3.0	5.0	2	474a/05
Trellidor Trojan II EMESC - T1000	Double	Double gate collapsible security grille	1.78	2.0	3.0	10.0	2	474a/05
Trellidor Trojan II EMESC - T1000	Double flexi	Double gate collapsible security grille	1.78	2.0	3.0	10.0	2	474a/05

Certificate No: 474b to LPS 1175: Issue 6

Security grilles

Product Name	Model	Type	MinimumHeight(m)	Minimum Width(m)	MaximumHeight(m)	MaximumWidth(m)	SecurityRating	LPCB Ref. No.
Trellidor Plus - T900	Standard	Single gate collapsible security grille	0.945	0.6	3.0	5.0	1	474b/01
Trellidor Plus - T900	Flexi	Single gate collapsible security grille	0.945	1.0	3.0	5.0	1	474b/01
Trellidor Plus - T900	Fixture	Single gate collapsible security grille	0.945	0.6	3.0	5.0	1	474b/01
Trellidor Plus - T900	Double	Double gate collapsible security grille	0.945	1.0	3.0	10.0	1	474b/01

Certificate No: 474d to LPS 1175: Issue 7

Security Grilles

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Trojan 3 EMESC T3000	Single leaf collapsible grille1	2.2	3.63	1.0	Unlimited	3	474d/01
Trojan 3 EMESC T3000	Double leaf collapsible grille1	2.2	3.63	1.0	Unlimited	3	474d/01
Trojan 3 EMESC T3000	Side-by-side collapsible grille2	2.2	3.63	1.0	Unlimited	3	474d/01

Certificate No: 474e to LPS 1175: Issue 8

Security Blinds

Product Name	Configuration	Model	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
Shutterview S1	Inward opening hinged	Single hinge	0.4	0.3	0.3	0.9	A1 (SR1)	474e/01
Shutterview S1	Inward opening hinged	Double french	0.4	3.0	0.8	1.8	A1 (SR1)	474e/01
Shutterview S1	Inward opening hinged	Two panel floating	0.4	3.0	0.6	1.8	A1 (SR1)	474e/01
Shutterview S1	Inward opening hinged	Three panel floating	0.4	3.0	1.2	2.7	A1 (SR1)	474e/01

SECURITY GRILLES, BLINDS AND BARSETS

Shutterview S1	Inward opening hinged	Four panel floating	0.4	3.0	1.6	3.6	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Two panel	0.4	3.0	0.6	1.8	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Three panel	0.4	3.0	0.9	2.7	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Four panel custom	0.4	3.0	1.2	3.6	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Four panel single flexi	0.4	3.0	1.2	3.6	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Five panel	0.4	3.0	1.5	4.5	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Six panel custom	0.4	3.0	1.8	5.4	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Six panel single flexi	0.4	3.0	1.8	5.4	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Eight panel custom	0.4	3.0	2.4	7.2	A1 (SR1)	474e/01
Shutterview S1	Bi-folding	Eight panel double flexi	0.4	3.0	2.4	7.2	A1 (SR1)	474e/01

SECURITY GRILLES, BLINDS AND BARSETS

Security shutters listed in this section are certified to either:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 2081

SECURITY SHUTTERS

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Introduction to EN 1627

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to Resistance Class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

Suitability

Products approved to LPS 2081 and EN 1627 (resistance classes 1 to 3) should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to LPS 1175. Likewise, specifications should reference LPS 1175 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

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Certificate No: 931a to LPS 1175: Issue 6

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Maximum Door Area (m²)	Compatible Locking Devices	Security Rating	LPCB Ref. No.
E37 Elite	Externally face fitted double skin aluminium roller shutter	0.9	4.0	0.77	3.0	8.5	A	1	931a/01
T77 Elite (1)	Internally face fitted double skin insulated roller shutter	0.92	5.2	0.9	5.0	20	B	1	931a/02
V77 Elite	Internally face fitted aluminium roller shutter with vision slats	0.92	5.2	0.9	5.0	25	B	2	931a/03
E77 Elite	Internally face fitted aluminium roller shutter	0.92	5.2	0.9	5.0	25	B	2	931a/04
E37 Elite	Internally face fitted double skin aluminium roller shutter	0.9	4.0	0.77	3.0	8.5	B	1	931a/01

Certificate No: 931b to LPS 1175: Issue 7

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
P76 Elite	Internally face fitted roller shutter	1.5	7.0	1.0	7.0	1	931b/01
P76 Elite	Reveal fitted roller shutter	1.5	7.0	1.0	7.0	1	931b/02
S76 Elite	Internally face fitted roller shutter	1.5	7.0	1.0	7.0	2	931b/03
S76 Elite	Reveal fitted roller shutter	1.5	7.0	1.0	7.0	2	931b/04
I100 Elite SR3	Internally face fitted roller shutter	1.5	5.0	1.0	7.0	3	931b/05
I100 Elite SR4	Internally face fitted roller shutter	1.5	5.0	1.0	7.0	4	931b/06

SECURITY SHUTTERS

Certificate No: 931c to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
E130 Elite 4	Internally face fixed security shutter	1.0	10.0	1.0	10.0	D10 (SR4)	931c/01

Certificate No: 931d to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
E130 Elite 5	Internally face fixed security shutter	1.0	10.0	1.0	10.0	E10 (SR5)	931d/01

Certificate No: 931e to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
E130 Elite 3	Internally face fixed security shutter	1.0	10.0	1.0	10.0	C5 (SR3)	931e/01

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Certificate No: 1137a to LPS 1175: Issue 7

Security Shutters

Product Name	Type	Security Rating	LPCB Ref. No.
Rolux SR3-SOL	Roller shutter with reinforced aluminium lath	3	1137a/01
Defender SR2	Roller shutter with insulated steel lath	2	1137a/02
Defender SR2	Roller shutter with perforated steel lath	2	1137a/02
Defender SR2	Roller shutter with solid steel lath	2	1137a/02

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Certificate No: 1428a to LPS 1175: issue 7

Security Shutters

Product Name	Type	Security Rating	LPCB Ref. No.
INVICTUS 1	Roller shutter with solid and/or perforated steel laths	1	1428a/01
INVICTUS 2	Roller shutter with solid steel laths	2	1428a/02
INVICTUS 3	Roller shutter with single skin aluminium laths	3	1428a/03
INVICTUS 4	Roller shutter with alternating single and double skin aluminium laths	4	1428a/04

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Certificate No: 131b to LPS 1175: Issue 3

SECURITY SHUTTERS

Security Shutters

Product Name	Type	Minimum Height(m)	Maximum Height(m)	Minimum Width(m)	Maximum Width(m)	SecurityRating	LPCB Ref. No.
A320	Rolling shutter	2	7	2.5	9	4	131b/01

Certificate No: 131e to LPS 1175: Issue 6

Security Shutters

Product Name	Model	Type	Security Rating	LPCB Ref. No.
Centurion	A305SS-EX	Roller shutter with solid single skin steel lath	1	131e/01
Centurion	A305PS-EX	Roller shutter with perforated single skin steel lath	1	131e/02
Centurion	A305SA-EX	Roller shutter with solid single skin aluminium lath	1	131e/03
Centurion	A305PA-EX	Roller shutter with punched aluminium lath	1	131e/04
Centurion	A305PG-EX	Roller shutter with punched and glazed aluminium lath	1	131e/05
Centurion	A310SS-EX	Roller shutter with solid single skin steel lath	2	131e/06

Certificate No: 131f to LPS 1175: Issue 7

Security Shutters

Product Name	Model	Type	Security Rating	LPCB Ref. No.
Centurion	A305SS	Roller shutter with solid single skin steel lath	1	131f/01
Centurion	A305PS	Roller shutter with perforated single skin steel lath	1	131f/02
Centurion	A305SA	Roller shutter with solid single skin aluminium lath	1	131f/03
Centurion	A305PA	Roller shutter with punched aluminium lath	1	131f/04
Centurion	A305PG	Roller shutter with punched and glazed aluminium lath	1	131f/05
Centurion	A310SS	Roller shutter with solid single skin steel lath	2	131f/06
Centurion	A315	Roller shutter with reinforced double skin aluminium lath	3	131f/07
Centurion	A311	Insulated roller shutter	2	131f/08
Centurion	A316	Roller shutter with double skin insulated lath	3	131f/09
Centurion	A321	Roller shutter with reinforced double skin steel lath	4	131f/10

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Certificate No: 026-2c to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
SecRoll 1	Internally face fixed security shutter incorporating insulated lath	1.0	7.0	1.0	7.0	Two internal pin locks	A1 (SR1)	026-2c/01

Certificate No: 026-2d to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
SecRoll 2	Internally face fixed security shutter incorporating insulated lath	1.0	7.0	1.0	7.0	Two internal pin locks (on shutters up to 5 m wide) Two internal pin locks and one internal padlockable ground anchor (on shutters over 5 m wide)	B3 (SR2)	026-2d/01
SecRoll 2	Internally face fixed security shutter incorporating single skin lath	1.0	9.0	1.0	9.0	Two internal pin locks (on shutters up to 5 m wide) Two internal pin locks and one internal padlockable ground anchor (on shutters over 5 m wide)	B3 (SR2)	026-2d/01

Certificate No: 026-2e to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural	Maximum Structural	Minimum Structural	Maximum Structural	Locking Devices	Security Rating	LPCB Ref.
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SECURITY SHUTTERS

		Opening Height (m)	Opening Height (m)	Opening Width (m)	Opening Width (m)		No.
SecRoll 3	Internally face fixed security shutter incorporating insulated lath	1.0	10.0	1.0	10.0	Two internal pin locks (on shutters up to 3.5 m wide) Two internal pin locks and one internal padlockable ground anchor (on shutters between 3.5 m and 7 m wide) Two internal pin locks and two internal padlockable ground anchors (on shutters over 7 m wide)	C5 026- (SR3) 2e/01

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Certificate No: 1396a to LPS 1175: Issue 7

Security Shutters

Product Model Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Xonar 842	Built-in roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	6.0	2	1396a/01
Xonar 942	Internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	2	1396a/02
Xonar 843	Built-in roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	6.0	3	1396a/03
Xonar 943	Internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	3	1396a/04

Certificate No: 1396b to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
StackDoor Secure	Internally or externally face fixed stackable security shutter	2.0	10	0.76	6.0	A1 (SR1)	1396b/01
StackDoor Secure	Reveal fixed stackable security shutter	2.0	10	1.0	6.24	A1 (SR1)	1396b/01

Certificate No: 1396c to LPS 1175: Issue 8

Security Shutters

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Vortex Plus	V+BO- MAN-A1	Externally face fixed manual security shutter	1	6	0.85	6	Manual two-point locking mechanism with key	A1 (SR1)	1396c/01
Vortex Plus	V+BO- MAN- P2-A1	Externally face fixed manual security shutter	1	6	0.85	6	Manual two-point locking mechanism with key	A1 (SR1)	1396c/01
Vortex Plus	V+BI- P2-B1	Built-in roller shutter	1	6	0.85	6	Self-locking	B1	1396c/01
Vortex Plus	V+BO- EXT-B1	Externally face fixed security shutter	1	6	0.85	6	Self-locking	B1	1396c/01
Vortex Plus	V+BO- EXT- P2-B1	Externally face fixed security shutter	1	6	0.85	6	Self-locking	B1	1396c/01
Vortex Plus	V+BO- INT-P2- B1	Internally face fixed security shutter	1	6	0.85	6	Self-locking	B1	1396c/01
Vortex Plus	V+BI- B3	Built-in roller shutter	1	6	0.85	6	Self-locking	B3 (SR2)	1396c/01
Vortex Plus	V+BO- INT-B3	Internally face fixed security shutter	1	6	0.85	6	Self-locking	B3 (SR2)	1396c/01

Certificate No: 1396d to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height	Maximum Structural Opening Height	Minimum Structural Opening Width	Maximum Structural Opening Width	Locking Devices	Security Rating	LPCB Ref. No.
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SECURITY SHUTTERS

		(m)	(m)	(m)	(m)			
Intimidator IR1	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1396d/01
Intimidator IR1	Internally face fixed security shutter incorporating perforated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1396d/01

Certificate No: 1396e to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Intimidator IR-X 1	Internally face fixed security shutter incorporating insulated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1396e/01

Certificate No: 1396f to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Height (m)	Maximum Structural Height (m)	Minimum Structural Width (m)	Maximum Structural Width (m)	Locking Device	Security Rating	LPCB Ref. No.
Intimidator IR2	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1396f/01
Intimidator IR2	Internally face fixed security shutter incorporating perforated lath	1.0	8.0	2.4	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1396f/01

Certificate No: 1396g to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Intimidator IR-X 2	Internally face fixed security shutter incorporating insulated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1396g/01

Certificate No: 1396h to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Height (m)	Maximum Structural Height (m)	Minimum Structural Width (m)	Maximum Structural Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Intimidator IR3	Internally face fixed security shutter incorporating solid laths	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24v solenoid bolts	C5 (SR3)	1396h/01

Certificate No: 1396i to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Height (m)	Maximum Structural Height (m)	Minimum Structural Width (m)	Maximum Structural Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Intimidator IR4	Internally face fixed security shutter incorporating solid laths	1.0	8.0	1.75	8.0	Two manual slide bolts or two 24v solenoid bolts	D10 (SR4)	1396i/01

Certificate No: 1396j to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Xonar 964	Internally face fitted roller shutter incorporating solid laths	1.0	10.0	1.0	6.0		D10 (SR4)	1396j/01
Xonar 964	Externally face fitted roller shutter incorporating solid laths	1.8	10.0	1.0	6.0		D10 (SR4)	1396j/01

SECURITY SHUTTERS

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Certificate No: 1075a to LPS 1175: Issue 7

Security Shutters

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Obexion	UD SR2	Internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	2	1075a/01
Obexion	UD SR3	Internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	3	1075a/02
Integr8	SR2 180LS Ultra	Built-in roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	6.0	2	1075a/03
Integr8	SR3 180LS Ultra	Built-in roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	6.0	3	1075a/04
Integr8	SR2 180C Ultra	Internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	2	1075a/07
Integr8	SR3 180C Ultra	internally or externally face fitted roller shutter incorporating solid and/or perforated laths	2.0	10.0	1.0	8.0	3	1075a/08

Certificate No: 1075c to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Obexion ID1	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1075c/01
Obexion ID1	Internally face fixed security shutter incorporating insulated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1075c/01
Obexion ID1	Internally face fixed security shutter incorporating perforated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	A1 (SR1)	1075c/01

Certificate No: 1075d to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Obexion ID2	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1075d/01
Obexion ID2	Internally face fixed security shutter incorporating insulated lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1075d/01
Obexion ID2	Internally face fixed security shutter perforated lath	1.0	8.0	2.4	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	B3 (SR2)	1075d/01

Certificate No: 1075e to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Obexion ID3	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.0	8.0	Two pin locks, two manual slide bolts or two 24V solenoid bolts	C5 (SR3)	1075e/01

SECURITY SHUTTERS

Certificate No: 1075f to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Obexion ID4	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.75	8.0	Two manual slide bolts or two 24V solenoid bolts	D10 (SR4)	1075f/01

Certificate No: 1075g to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Devices	Security Rating	LPCB Ref. No.
Obexion ID5	Internally face fixed security shutter incorporating solid lath	1.0	8.0	1.75	8.0	Two manual slide bolts or two 24V solenoid	E10 (SR5)	1075g/01

Certificate No: 1075h to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Obexion MD4	Internally face fitted roller shutter incorporating solid laths	1.0	10.0	1.0	6.0	D10 (SR4)	1075h/01
Obexion MD4	Externally face fitted roller shutter incorporating solid laths	1.8	10.0	1.0	6.0	D10 (SR4)	1075h/01

Certificate No: 1075i to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Obexion MD5	Internally face fitted roller shutter incorporating solid laths	1.0	10.0	1.0	6.0	E10 (SR5)	1075i/01

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Certificate No: 106c to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Multigard Level 3	Internally face fitted roller shutter	1.0	10	1.0	8.0	C5 (SR3)	106c/01
Clark Multigard Level 3	Reveal fixed roller shutter	1.0	10	1.0	8.0	C5 (SR3)	106c/01

Certificate No: 106d to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Multigard Level 4	Internally face fitted roller shutter	1.0	10	1.0	8.0	D10 (SR4)	106d/01
Clark Multigard Level 4	Reveal fixed roller shutter	1.0	10	1.0	8.0	D10 (SR4)	106d/01

SECURITY SHUTTERS

Certificate No: 106e to LPS 1175: Issue 8

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clark Multigard Level 5	Internally face fitted roller shutter	1.0	10	1.0	8.0	E10 (SR5)	106e/01

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Certificate No: 1282a to LPS 1175: Issue 7

Security Shutters

Product Name	Model	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Crime-gard	Level 1	Internally face fitted roller shutter	1	10	1	10	1	1282a/01
Crime-gard	Level 2	Internally face fitted roller shutter	1	10	1	10	2	1282a/02
Crime-gard	Level 3	Internally face fitted roller shutter	1	10	1	10	3	1282a/03
Crime-gard	Level 4	Internally face fitted roller shutter	1	10	1	15	4	1282a/04

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Certificate No: 1236b to LPS 1175: Issue 7

Security Shutters

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Axalux	Internally face fitted roller shutter with double skin steel laths	0.5	12.0	0.5	7.0	3	1236b/01

Hart Door Systems

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Certificate No: 016c to LPS 1175: Issue 7

Security Shutter

Product Name	Type	Security Rating	LPCB Ref. No.
Terror Screen SR1	Internally face filled roller shutter	1	016c/02
Terror Screen SR2	Internally face filled roller shutter	2	016c/03
Terror Screen SR3	Internally face filled roller shutter	3	016c/04
Terror Screen SR4	Internally face filled roller shutter	4	016c/01

SECURITY SHUTTERS

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Certificate No: 1537a to LPS 1175: Issue 7

Security Shutters

Product Name	Model	Type	Security Rating	LPCB Ref. No.
Rs2a	eFF	External face fixed roller shutter with solid lath	2	1537a/01
Rs2a	iFF	Internal face fixed roller shutter with solid lath	2	1537a/01
Rs2b	eFF	External face fixed roller shutter with insulated double skin lath	2	1537a/02
Rs2b	iFF	Internal face fixed roller shutter with insulated double skin lath	2	1537a/02
Rs3b	eFF	External face fixed roller shutter with double skin lath	3	1537a/03
Rs3b	iFF	Internal face fixed roller shutter with double skin lath	3	1537a/03

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Certificate No: 390a to LPS 1175: Issue 5.3

Security Shutters

Product Name	Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
SeceuroShield 3801	Roller shutter with solid laths	0.9	4.0	0.9	3.0	1	390a/02
SeceuroShield 7501	Roller shutter with solid laths	0.6	4.7	0.9	6.0	1	390a/04
SeceuroVision 7501	Roller shutter with perforated laths	0.6	4.7	0.9	6.0	1	390a/05

Certificate No: 390e to LPS 1175: Issue 7

Security Shutter

Product Name	Type	Security Rating	LPCB Ref. No.
SeceuroDoor 7502	Roller shutter with solid single skin steel lath	2	390e/01
SeceuroDoor 9501	Roller shutter with insulated lath	1	390e/02

SECURITY SHUTTERS

Windows listed in this section are certified to one or more of the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*
- PAS 24 *Enhanced security performance requirements for doorsets and windows in the UK - External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk.*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

LPCB has also published a standard for glazing and security glazing films which employs the principles contained within LPS 1175. LPS 1270 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units* covers the resistance to manual attack of the glazing material. It enables specifiers to select new or replacement glazing that affords levels of security equivalent to that of the frame or façade in which it is to be employed.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

• Access covers	• Garage doorsets	• Security screens
• Cladding systems	• Hinged doorsets	• Sheds and tool stores
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SECURITY WINDOWS

Containers	Grilles	Skylights
Curtain walling systems	Modular buildings	Sliding doorsets
Enclosures	Partitioning systems	Strongpoints
Entrance portals	Revolving doorsets	Vehicles
Fences and gates	Roofing systems	Walling systems
Folding doorsets	Security cabinets	Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Introduction to LPS 2081

LPS 2081 defines two levels (security ratings) of resistance to manual attack by opportunist intruders attempting to use a combination of physical bodily force, stealth and a selection of tools that are easily concealed about the person to gain entry. The protection against forced entry provided by products certified to Security Rating B in LPS 2081 is likely to be roughly akin to that provided by products certified to PAS 24.

Introduction to EN 1627

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to Resistance Class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

Introduction to PAS 24

PAS 24 is a UK standard that is primarily aimed at windows and doors used in domestic applications where intruders generally use stealth to avoid detection. The level of resistance offered by products certified to PAS 24 is generally lower than that provided by products approved to LPS 1175, especially if the products incorporate glass or in situations where the criminal can make sustained amounts of noise while attempting entry. Nonetheless, Secured by Design (SBD) have reported a significant reduction in domestic burglary as a result of the use of products approved to PAS 24.

Suitability

Products approved to EN 1627 (resistance classes 1 to 3), LPS 2081 and PAS 24 should generally only be used in environments in which intruders are highly likely to avoid making noise to evade detection through natural surveillance. If it is considered intruders operating in the environment may be willing to use tools and techniques likely to result in levels of noise more likely to draw attention to their actions (e.g. breaking glass), reference should be made to LPS 1175. Likewise, specifications should reference LPS 1175 if it is considered intruders operating in the environment are likely to be willing to spend longer than three minutes attacking the product, or would use larger tools to gain entry.

BRE Global has published a free guide to the standards mentioned above entitled Façade Security Standards Specifiers Guide. The guide is available by emailing RedBook@bregroup.com. It includes charts comparing the scope of product types covered by each standard and the likely levels of resistance to forced entry delivered by products certified to each standard.

Hampton Conservatories Limited

218 Ballybogey Road, Portrush, County Antrim, BT56 8NE, United Kingdom

Tel: +44 (0)28 70824 100

E-mail: info@hc-online.co.uk • Website: www.hamptonconservatories.co.uk

Certificate No: 1358a to LPS 1175: Issue 7

Vertical Sliding Sash Windows

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Quattroglide	Vertical sliding sash timber security window	0.8	4.2	0.6	2.0	2	1358a/01
Security Casement Window	Fixed light window	0.5	3.15	0.4	1.6	2	1358a/02

SECURITY WINDOWS

Premier SS Limited

Unit 2, 19-21 Roebuck Road, Hainault Business Park, Hainault, Essex, IG6 3TU, United Kingdom

Tel: +44 (0)20 8559 8295

E-mail: sales@premier-ssl.com • Website: www.premier-ssl.com

Certificate No: 1097i to LPS 1175: Issue 8

Security Windows

Product Name	Type	Style	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade-C5- Curtain Walling Fixed Window	Fixed window	Single fixed light unit	0.485	3.0	0.485	3.0	C5 (SR3)	1097i/01

Certificate No: 1097m to LPS 1175: Issue 8

Security Windows

Product Name	Type	Style	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Jansen Façade-D10- Curtain Walling Fixed Window	Fixed window	Single fixed light unit	0.485	3.0	0.485	3.0	D10 (SR4)	1097m/01

R & D Sheetmetal Limited

2A Colliers Way, Clayton West, Huddersfield, West Yorkshire, HD8 9TR, United Kingdom

Tel: +44 (0)1484 864886

E-mail: sales@randdsheetmetal.co.uk • Website: www.randdsheetmetal.co.uk

Certificate No: 1034d to LPS 1175: Issue 7

Security Windows

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Minimum Structural Opening Depth1 (m)	Maximum Structural Opening Depth (m)	Security Rating	LPCB Ref. No.
SecureView 3	'Bolt in' fixed APR2 vision panel	0.536	3.133	0.363	2.133	0.105	0.500	3	1034d/01
SecureView 3	'Cast in' fixed APR2 vision panel	0.537	3.107	0.337	2.107	0.085	0.500	3	1034d/01
SecureView 4	'Bolt in' fixed APR2 vision panel	0.536	3.133	0.363	2.133	0.131	0.500	4	1034d/02
SecureView 4	'Cast in' fixed APR2 vision panel	0.537	3.107	0.337	2.107	0.111	0.500	4	1034d/02
SecureView 'Type E' 3	'Bolt in' fixed APR2 vision panel	1.210	1.210	0.910	0.910	0.250	0.250	4	1034d/03
SecureView 5	'Bolt in' fixed APR2 vision panel	0.536	3.133	0.363	2.133	0.131	0.500	5	1034d/04
SecureView 5	'Cast in' fixed APR2 vision panel	0.537	3.107	0.337	2.107	0.111	0.500	5	1034d/04

Sash Window Conservation Limited

Honeycrest Industrial Park, Lodge Road, Staplehurst, Kent, TN12 0RX, United Kingdom

Tel: +44 (0)1580 893933

E-mail: info@swcsash.co.uk • Website: www.sashwindowconservation.co.uk

Certificate No: 1444a to LPS 1175: Issue 7

Vertical Sliding Sash Window

Product Name	Type	Minimum Structural	Maximum Structural	Minimum Structural	Maximum Structural	Security	LPCB Ref.
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SECURITY WINDOWS

		Opening Height (m)	Opening Height (m)	Opening Width (m)	Opening Width (m)	Rating	No.
Sash Secure 240 Embassy	Vertical sliding sash timber security window	1.3	2.7	1.0	1.6	2	1444a/01

Selectaglaze Limited

Alban Park, Hatfield Road, St Albans, Hertfordshire, AL4 0JJ, United Kingdom

Tel: +44 (0)1727 837271

E-mail: enquiries@selectaglaze.co.uk • Website: www.selectaglaze.co.uk

Also Available Through:

ATAJ Secure, 5th Floor, 167-169 Great Portland Street, London, W1W 5PF, United Kingdom

Email: Tom.Jenkins@atajsecure.com

Certificate No: 683a to LPS 1175: Issue 6

Secondary Security Glazing Systems

Product Name	Type	Style	Minimum Height (m)	Maximum Height (m) ¹	Minimum Width (m)	Maximum Width (m) ¹	Security Rating	LPCB Ref. No.
Series 42 'Level 1'	Secondary glazing system	Single fixed light unit	0.3	3.0	0.3	2.0	1	683a/10
Series 42 'Level 2'	Secondary glazing system	Single fixed light unit	0.3	3.0	0.3	2.0	2	683a/11
Series 50 'Level 1'	Secondary glazing system	Single light inward opening top hung casement	0.43	1.5	0.574	3.2	1	683a/01
Series 50 'Level 1'	Secondary glazing system	Single light inward opening side hung casement	0.574	3.2	0.43	1.5	1	683a/01
Series 50 'Level 2'	Secondary glazing system	Single light inward opening top hung casement	0.43	1.5	0.574	3.2	2	683a/02
Series 50 'Level 2'	Secondary glazing system	Single light inward opening side hung casement	0.574	3.2	0.43	1.5	2	683a/02
Series 55 'Level 1'	Secondary glazing system	Single demountable fixed light unit	0.4	3.2	0.4	3.2	1	683a/03
Series 55 'Level 2'	Secondary glazing system	Single demountable fixed light unit	0.4	3.2	0.4	3.2	2	683a/04
Series 55 'Level 3'	Secondary glazing system	Single demountable fixed light unit	0.4	3.2	0.4	3.2	3	683a/06
Series 85 'Level 1'	Secondary glazing system	Twin light horizontally sliding casement	0.65	2.6	1.0	3.0	1	683a/05
Series 95 'Level 1'	Secondary glazing system	Twin light vertically sliding casement	1.0	3.0	0.65	2.6	1	683a/08
Series 43 'Level 1'	Secondary glazing system	Single and multi-light demountable fixed light unit	0.3	5.9	0.3	5.9	1	683a/12
Series 43 'Level 2'	Secondary glazing system	Single and multi-light demountable fixed light unit	0.3	5.9	0.3	5.9	2	683a/13
Series 44 'Level 1'	Secondary glazing system	Single light inward opening side hung casement	0.7	2.7	0.45	1.5	1	683a/14
Series 43 'Level 3'	Secondary glazing system	Single demountable fixed light unit	0.3	3.0	0.3	2.0	3	683a/16
Series 44 'Level 2'	Secondary glazing system	Single light inward opening side hung casement	0.7	2.7	0.45	1.5	2	683a/15
Series 85 'Level 2'	Secondary glazing system	Twin light horizontally sliding casement	0.65	2.6	1.0	3.0	2	683a/07
Series 95 'Level 2'	Secondary glazing system	Twin light vertically sliding casement	1.0	3.0	0.65	2.6	2	683a/09

Stafford Bridge Doors Limited

Bedford Road, Pavenham, Bedford, MK43 7PS, United Kingdom

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E-mail: sales@staffordbridge.com • Website: www.staffordbridge.com

Certificate No: 516d to LPS 1175: Issue 7

Security Windows

Product Name	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Durham SC05	0.3	3.1	0.3	3.1	3	516d/01
Catterick SC05	0.3	3.1	0.3	3.1	3	516d/02

SECURITY WINDOWS

Catterick SD10 1.0 3.1 1.0 3.1 4 516d/03

Certificate No: 516g to LPS 1175: Issue 8

Security Windows

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Clearsecure CSA5	Fixed light window	0.36	3.06	0.36	3.06	A5	516g/01
Clearsecure CSA5	Modular fixed light window	0.36	Unlimited	0.36	Unlimited	A5	516g/01
Clearsecure CSB3	Fixed light window	0.36	3.06	0.36	3.06	B3	516g/02
Clearsecure CSB3	Modular fixed light window	0.36	Unlimited	0.36	Unlimited	B3	516g/02
Clearsecure CSB5	Fixed light window	0.36	3.06	0.36	3.06	B5	516g/03
Clearsecure CSB5	Modular fixed light window	0.36	Unlimited	0.36	Unlimited	B5	516g/03

Certificate No: 516j to LPS 1175: Issue 8

Security Windows

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Durham SC05	Fixed light window	0.3	3.1	0.3	3.1	C5 (SR3)	516j/01

Certificate No: 516k to LPS 1175: Issue 8

Security Windows

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Catterick SC05	Fixed light window	0.3	3.1	0.3	3.1	C5 (SR3)	516k/01
Catterick SD10	Fixed light window	0.5	3.1	0.5	3.1	D10 (SR4)	516k/02

SECURITY WINDOWS

This section lists alarm transmission equipment suitable for use with intrusion and hold-up alarm systems where compliance with the requirements of supervised premises transceivers to EN 50136-2 and the application specific requirements of EN 50131-10 have been confirmed by LPCB specialists and most importantly ongoing assessment confirms the components continue to comply with the requirements.

BT Redcare, BT Plc

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E-mail: redcare@bt.com • Website: www.redcare.bt.com

Certificate No: 1270g to EN 50136-2:2013 and EN50131-10:2014

Alarm Transmission Equipment

Product Name	Description	ATS Category	Security Grade	Environmental Classification	LPCB Ref. No.
Next Generation UC-340 Essential	Supervised Premises Transceiver providing a single alarm transmission path via 2G/4G radio	SP2	2	II	1270g/01
Next Generation UC-340 Essential IP	Supervised Premises Transceiver providing a single alarm transmission path via Ethernet or via WiFi/Ethernet. With configurable ATS Category	SP2	2	II	1270g/01
Next Generation UC-340 Essential IP	Supervised Premises Transceiver providing a single alarm transmission path via Ethernet or via WiFi/Ethernet. With configurable ATS Category	SP4	3	II	1270g/01
Next Generation UC-340 Essential Extra	Supervised Premises Transceiver providing dual alarm transmission paths via independent 2G/4G radio modules. With configurable ATS Category	DP2	2 or 3	II	1270g/01
Next Generation UC-340 Essential Extra	Supervised Premises Transceiver providing dual alarm transmission paths via independent 2G/4G radio modules. With configurable ATS Category	DP3	3	II	1270g/01
Next Generation UC-340 Advanced	Supervised Premises Transceiver providing dual alarm transmission paths via Ethernet primary path and 4G/2G radio alternate path	DP2	2 or 3	II	1270g/01
Next Generation UC-340 Advanced Extra	Supervised Premises Transceiver providing dual alarm transmission paths via Ethernet primary path and 4G/2G radio alternate path	DP3	3	II	1270g/01
Next Generation UC-340 Ultimate	Supervised Premises Transceiver providing dual single alarm transmission via ADSL primary path or Ethernet/WAN primary path, and 2G/4G radio alternate path	DP4	4	II	1270g/01

Note:

The Next Generation supervised premises transceivers listed were found to be compliant with the applicable product related requirements of PD 6669: 2017 - Guidance for the provision of Alarm Transmission Systems (ATS) for Alarm Systems in the UK and PD 6662: 2017 - Scheme for the application of European Standards for intrusion and hold-up alarm systems.

Carrier Fire & Security BV

Kelvinstraat 7, 6003DH, Weert, The Netherlands

Tel: +31 495 579 579

E-mail: heni.karaa@carrier.com • Website: www.uk.firesecurityproducts.com/en

Certificate No: 1673a to EN 50136-2:2013 and EN 50131-10:2014

Alarm Transmission Equipment

Product Name	Description	ATS Category	Security Grade	Environmental Classification	LPCB Ref. No.
ARITECH ultraSync Communicator model UC-140	Supervised Premises Transceiver providing a single alarm transmission path via 2G/4G radio	SP2	2	II	1673a/01
ARITECH ultraSync Communicator model UC-240	Supervised Premises Transceiver providing dual alarm transmission paths via Ethernet primary path and 2G/4G radio alternate path	DP2 and DP3	2 or 3	II	1673a/01

Texecom Ltd

Bradwood Court, St Crispin Way, Haslingden, Lancashire, BB4 4PW, United Kingdom

Tel: +44 (0)1706 220460

E-mail: sales@texe.com • Website: http://www.texe.com

Certificate No: 717q to EN 50136-2:2013, EN50131-10:2014

SUPERVISED PREMISES TRANSCEIVERS (SECURITY)

Supervised Premises Transceivers

Product Name	Description	ATS Category	Security Grade	Environmental Classification	LPCB Ref. No.
SmartCom CELA1000-2	Supervised Premises Transceiver providing a single alarm transmission path via Ethernet	SP2, SP3	2 or 3	II	717q/01
SmartCom 4G CELA0050-2	Supervised Premises Transceiver providing dual alarm transmission paths via Ethernet primary path and 4G radio alternative path or single alarm transmission path via 4G radio	SP2, SP5, DP1, DP2, DP3, DP4	2 or 3	II	717q/02

SUPERVISED PREMISES TRANSCEIVERS (SECURITY)

Testing admin app section section section section

AdminAppTestCompany

AdminTest1, AdminTest2, AdminCity, AdminCounty, AdminPostCode, United Kingdom

Tel: 01234567890

E-mail: Sue@sue.com • Website: www.sue.com

Other

add1, add2, city1, postcode1, Andorra

Email: email@sue.com

Certificate No: 2222222b to LPS 1175: Issue 8

admin

Product Name	Description	LPCB Ref. No
AdminProduct	Description of Admin Product	2222b

QA TEST COMPANY

TEST, TEST, United Kingdom

Tel: TEST • Alt Tel: TEST

E-mail: TEST@TEST.COM

Certificate No: QA TESTING PURPOSES to LPS 1666

QA TESTING PURPOSES

Product Name	Description	LPCB Ref. No
NO SPACES	QA TESTING PURPOSES	123456789
	QA TESTING PURPOSES	
SPACES BEFORE AND AFTER	QA TESTING PURPOSES	123456789
	QA TESTING PURPOSES	

QA TESTING PURPOSES

SUE-TEST-AGAIN

ADD1, ADD2, CITY-TEST, USA

Certificate No: 222SUE to BS 6387:2013 (CWZ)

APP

Product Name	Description	LPCB Ref. No
CABBAGE	GREEN CABBAGE	222SUE/01
CARROT	ORANGE CARROT	222SUE/01

Zaun Limited

Steel Drive, Wolverhampton, WV10 9ED, United Kingdom

Tel: +44 (0)1902 796699

E-mail: sales@zaun.co.uk • Website: www.zaun.co.uk

Alternative Sales Address

Binns Fencing Limited, Harvest House, Cranborne Road, Potters Bar, Hertfordshire, EN6 3JF, United Kingdom

TESTING ADMIN APP SECTION

Certificate No: 999999a to LPS 1673: Issue 1

Testing Admin App

Product Name	size	Security Rating	LPCB Ref. No.
Test oval one	10	E10	123aaa/01
Triangle two	5	A5	123aaa/02

TESTING ADMIN APP SECTION

This section lists turnstiles that have been certified to LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

TURNSTILES

Barkers Engineering Limited

Duke Street, Fenton, Stoke-on-Trent, ST4 3NS, United Kingdom

Tel: +44 (0)1782 319264

E-mail: sales@barkersengineering.com • Website: www.barkersengineering.com

Certificate No: 1198i to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
TurnGuard Pro SL3	Single full height turnstile	Four	0.61	2.270	1.54	1.67	C5 (SR3)	1198i/01

Certificate No: 1198j to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
TurnGuard Pro SL2	Single full height turnstile	Four	0.61	2.226	1.54	1.67	B3 (SR2)	1198j/01

Certificate No: 1198k to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
TurnGuard Pro SL1	Single full height turnstile	Four	0.61	2.226	1.54	1.67	A1 (SR1)	1198k/01

Eagle Automation Systems Ltd

Unit 5, New House Farm, Vicarage Lane, North Weald, Essex, CM16 6AP, United Kingdom

Tel: +44 (0)1992 524800

E-mail: sales@eagleautogate.co.uk • Website: www.eagleautogate.co.uk

Certificate No: 1572a to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-201-H	Single full height turnstile	Four	0.535	2.153	1.305	1.33	A1 (SR1)	1572a/01

Certificate No: 1572b to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-201-S	Single full height turnstile	Four	0.535	2.153	1.305	1.33	A1 (SR1)	1572b/01

Certificate No: 1572c to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-211-S	Double full height turnstile	Four	0.535	2.153	2.0	1.33	A1 (SR1)	1572c/01

Certificate No: 1572d to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-202-HF	Single full height	Four	0.535	2.153	1.305	1.33	B3 (SR2)	1572d/01

TURNSTILES

turnstile

Certificate No: 1572e to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-202-SF	Single full height turnstile	Four	0.535	2.153	1.305	1.33	B3 (SR2)	1572e/01

Certificate No: 1572f to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-212-SF	Double full height turnstile	Four	0.535	2.153	2.0	1.33	B3 (SR2)	1572f/01

Certificate No: 1572g to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-203-HFA	Single full height turnstile	Four	0.535	2.153	1.305	1.33	C5 (SR3)	1572g/01

Certificate No: 1572h to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-203-SFA	Single full height turnstile	Four	0.535	2.153	1.305	1.33	C5 (SR3)	1572h/01

Certificate No: 1572i to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-213-SFA	Double full height turnstile	Four	0.535	2.153	2.0	1.33	C5 (SR3)	1572i/01

Certificate No: 1572j to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
1491-204-HFA	Single full height turnstile	Four	0.535	2.153	1.305	1.33	D10 (SR4)	1572j/01

Frontier Pitts Ltd

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TURNSTILES

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Certificate No: 1059a to LPS 1175: Issue 6

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m) ¹	Nominal Overall Unit Height (m) ²	Nominal Overall Unit Width (m) ²	Nominal Overall Unit Depth (m) ²	Security Rating	LPCB Ref. No.
Terra Diamond Grade 3	Single full height turnstile	Four	0.5	2.387	1.380	1.390	3	1059a/01
Terra Diamond Grade 4	Single full height turnstile	Four	0.5	2.387	1.380	1.390	4	1059a/02

Denmark Agent

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Certificate No: 1059c to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
Platinum Turnstile	Single full height turnstile	Four	0.5	2.407	1.37	1.36	B3 (SR2)	1059c/01
Platinum Turnstile	Single full height turnstile	Three	0.72	2.407	1.37	1.36	B3 (SR2)	1059c/01

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Certificate No: 1660a to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
RotaSec HS90L2	Single full height turnstile	Four	0.5	2.2	1.27	1.276	B3 (SR2)	1660a/01

Certificate No: 1660b to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
RotaSec HS90L3	Single full height turnstile	Four	0.5	2.2	1.27	1.276	C5 (SR3)	1660b/01

Certificate No: 1660c to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
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TURNSTILES

RotaSec HS90L4	Single full height turnstile	Four	0.5	2.2	1.27	1.276	D10 (SR4)	1660c/01
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Certificate No: 1644a to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
Fortis High Security	Single full height turnstile	Four	0.7	2.454	1.555	1.525	C5 (SR3)	1644a/01
Fortis High Security	Double full height turnstile	Eight	0.7	2.454	2.339	1.525	C5 (SR3)	1644a/01

Certificate No: 1644b to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
Fortis High Security	Single full height turnstile	Four	0.7	2.454	1.555	1.525	B3 (SR2)	1644b/01
Fortis High Security	Double full height turnstile	Eight	0.7	2.454	2.339	1.525	B3 (SR2)	1644b/01

Certificate No: 1644c to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
Fortis High Security	Single full height turnstile	Four	0.7	2.454	1.555	1.525	A1 (SR1)	1644c/01
Fortis High Security	Double full height turnstile	Eight	0.7	2.454	2.339	1.525	A1 (SR1)	1644c/01

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Certificate No: 1523a to LPS 1175: Issue 8

Full Height Turnstile

Product Name	Type	Number of Rotor Arms	Walkway Width (m)	Nominal Overall Unit Height (m)	Nominal Overall Unit Width (m)	Nominal Overall Unit Depth (m)	Security Rating	LPCB Ref. No.
SSHSTS 3000	Single full height turnstile	Four	0.512	2.55	1.422	1.43	C5 (SR3)	1523a/01

Vehicle security barriers can play a vital role in preventing unauthorised vehicular access to protected areas. Conversely, their failure to deliver the expected impact resistance could have catastrophic consequences. And yet, many such barriers have until now been specified based on a type test certificate or their appearance on a list of type tested barriers.

A vehicle security barriers performance is affected by several factors, not least:

- The products design.
- The foundations the barrier is installed within.
- The quality of the materials and assembly methods used to assemble and install the barrier.
- How the barrier is used.

While a type test report or type test certificate confirms what performance was achieved by a specific specimen, subsequent changes to a products design or the quality of its manufacture may not be evident from such documents. However, such changes could have a significant effect on the impact performance delivered by products bearing the same model reference as that tested.

The LPCB certification scheme for vehicle security barriers seeks to change that. The scheme includes several up-front checks to define the factors that influenced the results achieved during the type test. Furthermore, ongoing checks are conducted during surveillance audits to help ensure those factors do not change in any way that could undermine the products ability to deliver the performance stated on the LPCB certificate when installed and used in accordance with the instructions listed.

The supporting requirements of LPCB certification and Red Book listing are described in LPCB scheme document SD073. The certification scheme is open to manufacturers around the world and covers a wider range of vehicle barrier types, including:

- Bi-fold gates
- Boom barriers
- Fencing systems
- Fixed bollards
- Hinged (swing) gates
- Planters
- Retractable blockers
- Retractable bollards
- Sliding gates
- Street furniture

Vehicle security barriers that have been assessed and certified to the following vehicle impact standards are listed in this section:

- IWA 14-1 *Vehicle security barriers - Part 1: Performance requirement vehicle impact test method and performance*
- PAS 68 *Impact test specifications for vehicle security barrier systems.*

The barriers performance is defined in accordance with the classification systems defined within the associated standard to which they are certified.

The performance ratings noted within each entry contain information relating to the following criteria:

- IWA 14-1 - Barrier type V / Test vehicle mass [Vehicle class] / Impact speed / Impact angle : Vehicle penetration distance
- PAS 68 - Barrier type V/ Inertial test vehicle mass / Test speed / Impact angle : Vehicle penetration : Dispersion of major debris

The following is an example of a gates impact classification to IWA 14-1:

Gate V/7200[N2A]/48/90:0:0.2

Barrier type: Gate

Test type: Vehicle impact test (V)

Test vehicle mass: 7200 kg

Vehicle classification: N2A

Impact speed: 48 km/h

Impact angle: 90 degrees

Vehicle penetration distance: 0.2 m

LPCB also provides optional certification confirming vehicle security barriers resistance to manual attacks aimed at undermining their ability to prevent a vehicle passing unhindered. The evaluations supporting that performance criteria

VEHICLE SECURITY BARRIERS

are conducted in accordance with the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*

It is also important to consider the protection afforded to control equipment used to operate active vehicle barriers and ensure they are suitably resistant to being tampered with in such a manner that prevents the barrier operating effectively. Consideration should therefore be given to specifying such equipment is housed within secure enclosures certified to either LPS 1175 or LPS 2081, depending on the nature of the threat to be mitigated.

Where the vehicle barriers certification covers such additional performance and/or features, this will be noted on the associated certificate and within the respective Red Book listing.

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Certificate No: 1198aa to PAS 68: 2013

Security Gates

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Performance Rating	LPCB Ref. No.
Vulcan RCS	Automatic cantilever sliding gate	2.46	10	Gate V/7500(N2)/64/90:4.5/13.1	1198aa/01

Certificate No: 1198z to IWA14-1: 2013

Security Gates

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Performance Rating	LPCB Ref. No.
Vulcan RCS	Automatic cantilever sliding gate	2.46	10	Gate V/7200(N2A)/64/90:4.7	1198z/01

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Certificate No: 1059e to IWA14-1: 2013

Security Gate

Product Name	Type	Nominal Height (m)	Clear Opening Width (m)	Performance Rating	LPCB Ref. No.
Terra	Bi-folding bi-parting gate	2.4	6.0	Gate V/7200(N2A)/48/90:0:0.2	1059e/01

