

LPCB Red Book



Part: 1

Passive fire protection

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 1

Passive fire protection

INTRODUCTION

Passive fire protection is a combination of design, assembly and material choice. This will include:

- Protection of structural elements
- Materials that do not contribute to fire growth
- Limited toxicity of combustion products
- Walls and floors that provide compartments to resist the spread of fire
- Provision of a building envelope to resist fire entering from outside

In addition to careful design and product selection, it is recommended that all products are installed by LPCB approved contractors who have demonstrated their competence.

Listings in this section include:

Products

- Partitions
- Structural steel protection
- Fire stopping/penetration seals
- Products used in transport applications
- Walls and roofs/roofing - the building envelope
- Protective sheeting
- Temporary buildings for use on site
- Timber stairs

These products are approved in accordance with various standards, the details of which are given at the front of each section.

Installation contractors

Contractors are approved in accordance with:

LPS 1500: *Requirements for the approval and listing of companies installing construction elements used to provide compartmentation in buildings.*

LPS 1531: *Requirements for the approval and listing of companies installing or applying passive fire protection products.*

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CAVITY FIRE BARRIERS

The materials listed in this section can be used to sub-divide such voids as service shafts, roof and floor spaces and restrict the spread of fire. In the absence of a specific test standard for cavity barriers these products meet the performance requirements of BS 476:Part 22:1987 *Methods for determination of the fire resistance of non-loadbearing elements of construction* or EN 1364-1 *Fire resistance tests for non-loadbearing elements, walls* or 1364-2 *Fire resistance tests for non-loadbearing elements, ceilings* as set down in Approved Document B. The *LPC Design Guide for the Fire Protection of Buildings: 2000* covers the design issues in Section 4.5.

The assessment methodology used in LPS 1208 also applies to the performance assessment for these products.

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Certificate No: 552a to LPS 1208 Issue 2

Cavity Fire Barriers

Product Name	Specification High x Wide (mm)	Orientation V - Vertical	Layer of Fabric	Fire Resistance (Min)	Integraty	Fire Resistance (Min)	Insulation	LPCB Ref. No.
Firehalt 120/60	3000 x 3000	V	Double	120		60		552a/01
Firehalt 120/30	3000 x 3000	V	Single	120		30		552a/02
Firehalt 60/30	6000 x 20000	V	Single	60		30		552a/03
Firehalt 30/30	6000 x 20000	V	Single	30		30		552a/04

FIRE PROTECTED TIMBER STAIRS

The timber escape stairs listed in this section are assessed against the requirements of Scheme Document SD 198 which details the requirements of the approval and certification process, and BD2569 Fire Performance of Escape Stairs Guidance Document which details the method of test and assessment for escape stairs based on a realistic fire scenario. The procedure consists of a fire test to evaluate the reaction-to-fire performance of the stair assembly and a subsequent load test to evaluate the structural performance of the stair assembly following a fire incident. The scheme applies only to stairs used in:

- Single occupancy dwellings
- Communal areas in blocks of flats
- Areas where people may congregate as defined in Table 1 of BS 6399-13.

This approval scheme is run in partnership with the British Woodworking Federation (BWF).

FIRE RESISTANT GLAZING SYSTEMS

The products listed in this section are approved to:-

LPS 1158: Requirements and tests for fire resistant glazing systems

This Standard details the requirements for the certification of fire resisting glazing.

Fire resisting glazing systems consist of one or more transparent or translucent panes with a suitable method of mounting, with e.g. frames, seals and fixing materials, capable of satisfying the appropriate fire resistance criteria.

It is applicable to both insulating and non-insulating glass/glazing systems having fire resistances of up to 240 minutes in either horizontal and/or vertical orientations.

The applicable test standards are:-

- BS 476: Part 20
- EN 1364 Part 1

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Certificate No: 1406a to LPS 1158

Fire Resistant Glazing

Product Name	Max Dimensions Width x Height (mm)	EN 13501-2 classification	Filings / Glazing panel options (see table no on certificate)	PCB Ref. No.
ALUFIRE EI30	4154x4200	EI 30 / EW 30 / E 30	2	1406a/01
ALUFIRE EI60	4154x3954	EI 60 / EW 60 / E 60	3	1406a/02
ALUFIRE EI120	2900x4400	EI 120 / EW 120 / E 120	4	1406a/03
ALUFIRE Vision Line EI30	3462x4154	EI 30 / EW 30 / E 30	5	1406a/04
ALUFIRE Vision Line EI60	3062x3585	EI 60 / EW 60 / E 60	6	1406a/05

LPS 1107 STRUCTURAL STEEL FIRE PROTECTION - BLANKET INSULATION, BOARD AND CEMENTITIOUS COVERING V2.1

This section covers structural steel fire protection with use of board or cementitious coverings approved to LPS 1107 *Requirements, Tests and Methods of Assessment of Passive Fire Protection Systems for Structural Steelwork*.

11111

''''', 11111, United Kingdom

Certificate No: 0235 to LPS 1673: Issue 1

Test

Product Name	Description	LPCB Ref. No
test test 1107	t	1154

LPS 1132 WALL & FLOOR PENETRATION AND LINEAR GAP SEALS V2.1

The following products have been approved to LPS 1132 *Requirements and tests for LPCB approval of wall & floor penetration & linear gap seals* to help ensure fire resisting compartment walls and floors are not compromised by the installation of building services that pass between fire resisting compartments.

The design requirements for these products are described in more detail in Section 4.6 of the *LPC Design Guide for the Fire Protection of Buildings: 2000*.

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Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range* (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PVC Pipes	40 to 65	3.0 to 4.7	40 to 63	3.3 to 5.1	180	240	1457a/01
H110S - PVC Pipes	50 to 100	2.0 to 6.6	55 to 110	2.0 to 7.2	180	180	1457a/03
H150S - PVC Pipes	100 to 160	2.0 to 9.5	110 to 160	3.3 to 10.3	120	120	1457a/04
H100S - PVC Pipes	50 to 100	2.0 to 6.6	55 to 110	2.0 to 7.2	180	180	1457a/02

Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars - PVC Pipes with pipe sockets within fire collar

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range* (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Measured Socket Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PVC Pipes with pipe sockets within fire collar	40 to 65	3.0 to 4.7	40 to 63	3.5 to 5.0	3.5 to 5.0	180	240	1457a/01
H100S - PVC Pipes with pipe sockets within fire collar	50 to 100	2.0 to 6.6	50 to 110	2.0 to 7.3	2.0 to 7.0	180	180	1457a/02
H110S - PVC Pipes with pipe sockets within fire collar	50 to 100	2.0 to 6.6	50 to 110	2.0 to 7.3	2.0 to 7.0	180	180	1457a/03
H150S - PVC Pipes with pipe sockets within fire collar	100 to 150	6.2 to 9.5	110 to 160	6.4 to 10.1	7.0 to 10.8	120	180	1457a/04

Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range* (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PP Pipes	40 to 50	1.8	40 to 50	2.2 to 2.3	180	240	1457a/01
H110S - PP Pipes	50 to 110	1.8 to 3.4	50 to 110	2.1 to 3.8	120	180	1457a/02
H150S - PP Pipes	160	3.9 to 4.9	160	4.6 to 5.2	120	120	1457a/04

Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range* (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Measured Pipe Bell End Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PP Pipes with pipe bell end within fire collar	40 to 50	1.8	40 to 50	1.8 to 2.7	1.8 to 2.7	180	240	1457a/01
H110S - PP Pipes with pipe bell end	50 to 110	1.8 to 3.4	50 to 110	2.2 to 3.8	2.2 to 3.8	180	240	1457a/02

LPS 1132 WALL & FLOOR PENETRATION AND LINEAR GAP SEALS V2.1

within fire collar								
H150S - PP Pipes with pipe bell end within fire collar	110	3.4	110	3.4	3.4	180	240	1457a/04

Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range * (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PE-HD Pipes	25 to 63	2.0 to 5.8	26 to 64	3.0 to 6.4	120	240	1457a/01
H110S - PE-HD Pipes	50 to 110	3.0 to 10.0	50 to 110	3.4 to 10.9	120	120	1457a/03
H150S - PE-HD Pipes	110 to 160	4.2 to 14.6	110 to 160	4.2 to 15.4	120	120	1457a/04
H100S - PE-HD Pipes	50 to 110	3.0 to 10.0	50 to 110	3.4 to 10.9	120	120	1457a/02

Certificate No: 1457a to LPS 1132: Issue 4.2

Suresnap cast in Fire collars

Product Name	Nominal Pipe Diameter Range* (mm)	Nominal Pipe Wall Thickness Range * (mm)	Measured Pipe Diameter Range (mm)	Measured Pipe Wall Thickness Range (mm)	Fire Resistance EI Insulation (minutes)	Fire Resistance E Integrity (minutes)	LPCB Ref. No.
H65S - PE-X Pipes	15 to 63	2.6 to 8.6	16 to 63	3.1 to 9.7	90	90	1457a/01

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Certificate No: 628a to

Unnamed Entry

Product Name	Use	Element of Construction	Fire Resistance(min)Integrity	Fire Resistance(min)Insulation	LPCB Ref. No.
RGB 2, 4, 6, 8 & RGB 180, 240 & 360	Cables	Concrete or masonry Floor	240	120	628a/01
RGB 2, 4, 6, 8 & RGB 180, 240 & 360	Steel pipes	Concrete or masonry Floor	240	60	628a/01
RGB 2, 4, 6, 8 & RGB 180, 240 & 360	Cables	Concrete or masonry Wall	240	60	628a/01
RGB 2, 4, 6, 8 & RGB 180, 240 & 360	Steel pipes	Concrete or masonry Wall	240	60	628a/01
RGBO 2, 4, 6, 8 & RGBO 180, 240 & 360	Cables	Concrete or masonry Floor	240	120	628a/02
RGBO 2, 4, 6, 8 & RGBO 180, 240 & 360	Steel pipes	Concrete or masonry Floor	240	60	628a/02
RGBO 2, 4, 6, 8 & RGBO 180, 240 & 360	Cables	Concrete or masonry Wall	240	60	628a/02
RGBO 2, 4, 6, 8 & RGBO 180, 240 & 360	Steel pipes	Concrete or masonry Wall	240	60	628a/02
RGP 50, 70, 100, 150, 200 & 300	Cables	Concrete or masonry Floor	360	120	628a/03
RGP 50, 70, 100, 150, 200 & 300	Steel pipes	Concrete or masonry Floor	240	60	628a/03
RGP 50, 70, 100, 150, 200 & 300	Cables	Concrete or masonry Wall	360	120	628a/03
RGP 50, 70, 100, 150, 200 & 300	Steel pipes	Concrete or masonry Wall	240	60	628a/03
RGPO 50, 70, 100, 150, 200 & 300	Cables	Concrete or masonry Floor	360	120	628a/04
RGPO 50, 70, 100, 150, 200 & 300	Steel pipes	Concrete or masonry Floor	240	60	628a/04
RGPO 50, 70, 100, 150, 200 & 300	Cables	Concrete or masonry Wall	360	120	628a/04
RGPO 50, 70, 100, 150, 200 & 300	Steel pipe	Concrete or masonry Wall	240	60	628a/04

Note:

Please refer to manufacturers product data for maximum aperture sizes and installation details.

LPS 1132 WALL & FLOOR PENETRATION AND LINEAR GAP SEALS V2.1

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Certificate No: 022b(2) to LPS 1132: Issue 4

Product Name	Product Type(s)	Wall Width(mm)	Firestop Width (mm)	Application	Fire Resistance(min) Integrity/Insulation	LPCB Ref. No.
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal deck over block work wall, deck profiles running across the wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal deck over blockwork wall, deck profiles running across the wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal deck over blockwork wall, deck profiles running across the wall line	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal deck over blockwork wall, deck profiles running across the wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal deck over blockwork wall, deck profiles running across the wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal deck over blockwork wall, deck profiles running across the wall line	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal deck over blockwork wall, single deck profile running in line, but asymmetrical with wall line	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal deck over blockwork wall, trapezoidal deck profiles running across wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal deck over blockwork wall, trapezoidal deck profiles running across wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal deck over blockwork wall, trapezoidal deck profiles running across wall line	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A & Dovetail Infil Strips	100	100	Profiled metal composite deck over blockwork, Dovetail deck profiles running across wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A & Dovetail Infil Strips	150	150	Profiled metal composite deck over blockwork, Dovetail deck profiles running across wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A & Dovetail Infil Strips	200	200	Profiled metal composite deck over blockwork, Dovetail deck profiles running across wall line	240/240	022b/03

LPS 1132 WALL & FLOOR PENETRATION AND LINEAR GAP SEALS V2.1

Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled metal composite deck over blockwork, Trapezoidal deck profiles running in line with wall line	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled metal composite deck over blockwork, Trapezoidal deck profiles running in line with wall line	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	100	100	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	150	150	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	200	200	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	100	100	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	150	150	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B	200	200	Profiled metal composite deck supported by steel universal beam. Fire resistance times quoted cannot exceed fire resistance of protected beams	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	100	100	Plain concrete deck over blockwork wall	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	150	150	Plain concrete deck over blockwork wall	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	200	200	Plain concrete deck over blockwork wall	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	100	100	Plain concrete deck over blockwork wall, principle of multi-layering fire stops. The head of wall void can be filled by layering two or three firestops provided that the layers thickness does not exceed wall width and the compression/tightness of fit note above is followed	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	150	150	Plain concrete deck over blockwork wall, principle of multi-layering fire stops. The head of wall void can be filled by layering two or three firestops provided that the layers thickness does not exceed wall width and the compression/tightness of fit note above is followed	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Linear Firestop 2A	200	200	Plain concrete deck over blockwork wall, principle of multi-layering fire stops. The head of wall void can be filled by layering two or three firestops provided that the layers thickness does not exceed wall width and the compression/tightness of fit note above is followed	240/240	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	100	100	Profiled concrete deck over blockwork. Deck profiles running in either direction	120/120	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	150	150	Profiled concrete deck over blockwork. Deck profiles running in either direction	180/180	022b/03
Rockwool FirePro™ Linear and Trapezoidal Firestop Systems	Trapezoidal Firestop 2B & Linear Firestop 2A	200	200	Profiled concrete deck over blockwork. Deck profiles running in either direction	240/240	022b/03

LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

LPS 1181: Part 1 *Requirements and tests for built-up cladding and sandwich panel systems for use as the external envelope of buildings.*

This standard determines the contribution to fire growth of built-up cladding and sandwich panel systems used as the external envelope of buildings.

The test is a large scale test comprising ignition of a wood crib within an open-ended enclosure, supported on a steel frame, from the sandwich panels or built-up cladding system. It evaluates the panels, the jointing methods and the supporting system including fixings, which gives an assessment of the true fire performance of the system which cannot be determined from traditional small scale reaction to fire tests, such as surface spread of flame or fire propagation tests.

Products that have passed the test and have achieved LPCB approval are graded under the following designations:-

Grade EXT-A** - A product that satisfies both the requirements of LPS 1181: Part 1 and also demonstrates fire resistance through a fire resistance test as specified in LPS 1208 (see section 2.2). Such products meet the requirements for separating elements used for compartmentation. (** represents in minutes, the LPCB grading of insulation achieved during the fire resistance tests).

Grade EXT-B - A product that satisfies the requirements of LPS 1181: Part 1 only.

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Certificate No: 635a to LPS 1181 Part 1 Issue 1

Sandwich Panel Systems

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation	Fire Resistance Integrity/Insulation (See Note 5 on Certificate)	LPS118-1 Grade	Core Material (See Note 6 on Certificate)	LPCB Ref. No.
AS35/1000 PIR (roof panel)	40, 60, 70, 80, 100, 110, 120, 130 and 164	-	-	EXT-B	PIR (d) (e)	635a/08
AS35/1000 PIR (wall panel)	40, 60, 70, 80, 100, 110, 120, 130 and 164	V	-	EXT-B	PIR (d) (e)	635a/08
ASMR (wall panel)	50, 60, 70, 80, 100 & 120	H/V	-	EXT-B	PIR (d) (e)	635a/10
AS35/1000 PIR (wall panel)	60, 80	V	120 / 15	EXT-A15	PIR (e)	635a/11
AS35/1000 PIR (wall panel)	100	V	120 / 30	EXT-A30	PIR (e)	635a/12

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Certificate No: 900a to LPS 1181 Part 1: Issue 1

Product Name	Specification Thickness (mm)	Fire Resistance (min)	Integrity	Fire Resistance (min)	Insulation	Grade	Core Material	LPCB Ref. No.
WP-F (wall and roof panels)	60, 80, 100, 120, 150 & 200	-	-	-	-	EXT-B	Mineral Wool	900a/01

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Certificate No: 443a to LPS 1181 Part 1: Issue 1.2

Product Name	Specification Thickness (Including External Profile Depth) (mm)	Cavity Insulation Thickness (mm)	Wall Panel Orientation (H/V) (Certificate Note 1)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material Type and Density	LPCB Ref. No.
Twin-Therm® Wall	95 / 365	80 - 300	H or V	- / -	EXT-	Glass Wool	443a/10

LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

					B	≥ 10 kg/ m ³	
Twin-Therm® Roof	112 / 532	80 - 500	-	- / -	EXT-B	Glass Wool ≥ 10 kg/ m ³	443a/10
River-Therm® Roof	138 / 558	80 - 500	-	- / -	EXT-B	Glass Wool ≥ 10 kg/ m ³	443a/14
River-Therm® Wall	138 / 220	80 - 220	H or V	- / -	EXT-B	Glass Wool ≥ 10 kg/ m ³	443a/14
Twin-Therm® Wall including SolarWall® or Prime Rainscreen	182 / 629	80 - 300	H or V	- / -	EXT-B	Glass Wool ≥ 10 kg/ m ³	443a/15
Twin-Therm® FW15 FireWall	135 / 365	120 - 300	H or V	240 / 15	EXT-A15	Glass Wool ≥ 10 kg/ m ³	443a/17
Twin-Therm® FW15 FireWall including SolarWall® or Prime Rainscreen	222 / 629	120 - 300	H or V	240 / 15	EXT-A15	Glass Wool ≥ 10 kg/ m ³	443a/18
Twin-Therm® FW120 FireWall	135 / 365	120 - 300	H or V	240 / 120	EXT-A120	Rock Fibre ≥ 45 kg/ m ³	443a/23
Twin-Therm® FW120 FireWall including SolarWall® or Prime Rainscreen	222 / 629	120 - 300	H or V	240 / 120	EXT-A120	Rock Fibre ≥ 45 kg/ m ³	443a/24

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Certificate No: 545b to LPS 1181 Part 1: Issue 1

Sandwich Panel Systems

Product Name	LPCB Ref. No.
Europanel F5 (wall panel)	545b/01
Europanel S5 (wall panel)	545b/03
Europanel G12, G30 & G50	545b/04
Rockspan Extra (wall panel)	545b/05
Rockspan Lite (wall panel)	545b/06
Rockspan Ultima (wall panel)	545b/07
Rainspan Argeton	545b/08
Rainspan ACM	545b/09
Rainspan Parklex	545b/10
Rainspan Rockpanel	545b/11
Rainspan Corium	545b/12
Rainspan Norclad	545b/13
Rainspan Aerolite Granite	545b/15
Rainspan Aerolite Stonework	545b/15
Rainspan Ultralite	545b/15
Rainspan Urban Glass	545b/16

Certificate No: 879a to LPS 1181 Part 1: Issue 1.2

Built-Up Cladding

Product Name	LPCB Ref. No.
Elite 1 (Roof System)	879a/05
Elite 2 (Roof System)	879a/06
Elite 3 (Roof System)	879a/07
Elite 4 (Roof System)	879a/08
Elite 51 (Wall System)	879a/09
Elite 52 (Wall System)	879a/10
Elite 53 (Wall System)	879a/11
Elite 54 (Wall System)	879a/12
Elite 55 (Wall System)	879a/13
Elite 56 (Wall System)	879a/14
Elite 57 (Wall System)	879a/15
Elite 58 (Wall System)	879a/16
Elite 60 (Wall System)	879a/17
Elite 50 (Wall System)	879a/18

LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

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Certificate No: 1611a to LPS 1181 Part 1

Protex ® Roof and Wall System

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation (H/V) (certificate Note 1)	Fire Resistance Integrity / Insulation	LPS 1181-1 Grade	Core Material	LPCB Ref. No.
Protex ® Roof System PRX-RS-01	150 - 430	-	-	EXT-B	Glass or Stone Mineral Wool	1611a/01
Protex ® Roof System PRX-RS-02	150 - 430	-	-	EXT-B	Glass or Stone Mineral Wool	1611a/02
Protex ® Roof System PRX-RS-03	139 - 419	-	-	EXT-B	Glass or Stone Mineral Wool	1611a/03
Protex ® Roof System PRX-RS-04	139 - 419	-	-	EXT-B	Glass or Stone Mineral Wool	1611a/04
Protex ® Wall System PRX-WS-01	150 - 430	V	-	EXT-B	Glass or Stone Mineral Wool	1611a/05
Protex ® Wall System PRX-WS-02	150 - 330	H	-	EXT-B	Glass or Stone Mineral Wool	1611a/06
Protex ® Wall System PRX-WS-03	139 - 419	V	-	EXT-B	Glass or Stone Mineral Wool	1611a/07
Protex ® Wall System PRX-WS-04	139 - 319	H	-	EXT-B	Glass or Stone Mineral Wool	1611a/08

Joris IDE N.V.

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Certificate No: 700a to LPS 1181 Part 1: Issue 2

Sandwich panels

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation (H/V) (see note 1)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material	LPCB Ref. No.
JI ROOF 2 1000 (wall panels)	40 - 150	V	-	EXT-B	PIR	700a/18
JI ROOF 2 1000 (roof panels)	40 - 150	-	-	EXT-B	PIR	700a/19
JI ROOF 2 1000 (wall panels)	40 - 150	V	65 / 15	EXT-A15	PIR	700a/20
JI WALL SF1000 (wall panels)	60 - 150	V or H	-	EXT-B	PIR	700a/21
JI WALL SF1000 (wall panels)	80 - 150	V	129 / 22	EXT-A15	PIR	700a/22
JI WALL TF1150 (wall panels)	40 - 150	V or H	-	EXT-B	PIR	700a/23
JI WALL TF1150 (wall panels)	100 - 150	V	62 / 34	EXT-A30	PIR	700a/24

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Certificate No: 186a to LPS 1181-1

Sandwich Panel Systems

Product Name	Thickness (mm)	Kingspan Model Specification Ref (Note 1)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 2)	LPCB Ref. No.
Kingspan KS1000 TD (roof panel)	34 - 120	30 Rev 4	-	EXT-B	Ecosafe PIR	279a/29
Kingspan KS1000 CR (roof panel)	45 - 115	3 Rev 5	-	EXT-B	Ecosafe PIR	279a/66

LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

Kingspan KS1000 LP (roof panel)	45 – 115	2 Rev 5	-	EXT-B	Ecosafe PIR	279a/65
KS1000 Zip (roof panel)	45 – 147	8 Rev 11	-	EXT-B	Ecosafe PIR	260a/54

Certificate No: 186f to LPS 1181-1 Issue 1.2

Sandwich Panel Systems

Product Name	LPCB Ref. No.
KingspanIPN QuadCore KS1000RW (roof panel)	186f/01
KingspanIPN QuadCore KS600 -1200 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/02
KingspanIPN QuadCore KS600 – 1200AB (roof/ceiling panel)	279f/03
KingspanIPN QuadCore KS1000RW (wall panel)	186f/04
KingspanIPN QuadCore KS1000RW (wall panel)	186f/05
KingspanIPN QuadCore KS1000RW (wall panel)	186f/06
KingspanIPN QuadCore KS1000 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/07
KingspanIPN QuadCore KS1000 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/08

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Certificate No: 260a to LPS 1181-1

Sandwich Panel Systems

Product Name	Thickness (mm)	Kingspan Model Specification Ref (Note 1)	Fire Resistance Integrity / Insulation (min)	LPS 1181-1 Grade	Core Material (Note 2)	LPCB Ref. No.
Kingspan KS1000 LP (roof panel)	45 – 115	2 Rev 5	-	EXT-B	Ecosafe PIR	279a/65
Kingspan KS1000 CR (roof panel)	45 – 115	3 Rev 5	-	EXT-B	Ecosafe PIR	279a/66
Kingspan KS1000 TD (roof panel)	34 – 120	30 Rev 4	-	EXT-B	Ecosafe PIR	279a/29

Certificate No: 260f to LPS 1181 Part 1: Issue 1.2

Sandwich Panel Systems

Product Name	LPCB Ref. No.
KingspanIPN QuadCore KS1000RW (roof panel)	260f/01
KingspanIPN QuadCore KS600 -1200 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/02
KingspanIPN QuadCore KS600 – 1200AB (roof/ceiling panel)	279f/03
KingspanIPN QuadCore KS1000RW (wall panel)	260f/04
KingspanIPN QuadCore KS1000RW (wall panel)	260f/05
KingspanIPN QuadCore KS1000RW (wall panel)	260f/06
KingspanIPN QuadCore KS1000 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/07
KingspanIPN QuadCore KS1000 AWP, MR, FL, FL-S, EB, WV, MM, CX, PL, Optimo, Benchmark Evolution, KS1000 TL, Benchmark Louvre DW, Benchmark Curve DW (wall panel)	260f/08

Mannok Insulation Limited

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Certificate No: 893a to LPS 1181: Part 1

Product Name	Specification Thickness (m)	Fire Resistance (Min) Integrity	Fire Resistance (Min) Insulation	Grade	Core Material	LPCB Ref. No.
MFR Fully adhered Insulating metal deck roof system	85 - 185	-	-	EXT-B	PIR	893a/01
MFR Mechanically Fixed metal deck roof	85 - 185	-	-	EXT-B	PIR	893a/02

10 Jun 2025

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LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

system

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Certificate No: 022g to LPS 1181: Part 1: Issue 1.1

Product Name	Specification System Thickness (m) (Certificate Note 1)	Fire Resistance (Min) Integrity	Fire Resistance (Min) Insulation	Grade	Core Material	LPCB Ref. No.
Hardrock Dual Density Roofing Board System	100 - 135	60	60	EXT-A60	Stone Wool	022g/01
Hardrock Dual Density Roofing Board System	140 - 205	90	90	EXT-A90	Stone Wool	022g/01
Hardrock Dual Density Roofing Board System	210	120	120	EXT-A120	Stone Wool	022g/01
Hardrock Dual Density Roofing Board System	100 - 210	-	-	EXT-B	Stone Wool	022g/01
Hardrock Multi-fix Dual Density Roofing Board System	100 - 135	60	60	EXT-A60	Stone Wool	022g/04
Hardrock Multi-fix Dual Density Roofing Board System	140 - 205	90	90	EXT-A90	Stone Wool	022g/04
Hardrock Multi-fix Dual Density Roofing Board System	210	120	120	EXT-A120	Stone Wool	022g/04
Hardrock Multi-fix Dual Density Roofing Board System	100 - 210	-	-	EXT-B	Stone Wool	022g/04
Hardrock Multi-fix Dual Density Roofing Board System	150	90	90	EXT-A90	Stone Wool	022g/04

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Certificate No: 460a to LPS 1181 Part Issue 1

Sandwich Panel Systems

Product Name	Specification Thickness (mm)	Wall Panel Orientation	Fire Resistance (min) Integrity	Grade	Core Material	LPCB Ref. No.
Trimapanel, Formawall wall panel	70 - 120	V or H	-	EXT B	PIR*	460a/28
Trimapanel Formawall wall panel	90	H	240/27	EXT-A30	PIR*	460a/13
Trimapanel Formawall wall panel	70	H	240/16	EXT-A15	PIR*	460a/13
Trisobuild FR15	180 - 240	V	120/15	EXT-A15	Mineral Wool	460a/31
Trisobuild FR15	140 - 240	V or H	240/15	EXT-A15	Mineral Wool	460a/14
Trisobuild FR30	180 - 240	V or H	240/30	EXT-A30	Mineral Wool	460a/14
Trisobuild FR60	180 - 240	V or H	240/60	EXT-A60	Mineral Wool	460a/14
Trisobuild VW / HW	120 - 240	V or H	-	EXT-B	Mineral Wool	460a/14
Trisobuild R / RL	60 - 220	-	-	EXT-B	Mineral Wool	460a/15
Trinsul wall system	90	-	240/60	EXT-A60	Mineral Wool	460a/19
Trinsul wall and roof system	90	-	-	EXT-B	Mineral Wool	460a/19
Trinsul wall and roof system	90	-	-	EXT-B	Mineral Wool	460a/19
Structural Liner Tray Wall	170	V	120/15	EXT-A15	PIR*/Mineral Wool	460a/20
Structural Liner Tray Wall	170	V	-	EXT-B	PIR*/Mineral Wool	460a/20
Structural Liner Tray Roof	190	-	-	EXT-B	PIR*/Mineral Wool	460a/20
Structural Flat Metal Roof Deck	50 - 200	-	-	EXT-B	Mineral Wool	460a/21
Trisobuil SA1	175	V	-	EXT-B	Mineral Wool	460a/23
Trisobuil SA1+	175	V	240/15	EXT-A15	Mineral Wool	460a/23

LPS 1181-1 CLADDING PRODUCTS USED FOR THE EXTERNAL ENVELOPE OF BUILDINGS V2.1

Hybrid Acoustic roof system	120	-	-	EXT-B	PIR*/Mineral Wool	460a/24
Hybrid Acoustic wall system	100	V	240/15	EXT-A15	PIR*/Mineral Wool	460a/24
Trisomet (roof and wall panel)	40, 60, 80, 100, 120 and 135	H or V	-	EXT-B	PIR*	460a/29
Trisomet (roof panel)	40, 60, 80, 100, 120 and 135	-	-	EXT-B	PIR*	460a/30
Celtic 30 (roof panel)	30	-	-	EXT-B	PIR*	460a/30
Trisomet (wall panel)	60, 80, 100, 120 and 135	V	240/25	EXT-A15	PIR*	460a/27

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Certificate No: 650b to LPS 1181 Part 1 Issue 1

Product Name	Type	Fire Resistance (Min)	Integrity	Fire Resistance (Min)	Insulation	Grade	Core Material	LPCB Ref. No.
FTV (wall panel)	100 - 150mm thick	95		95		EXT-A90	Mineral Wool	650b/01
SNV (ceiling panel)	100mm thick	98		95		EXT-A90	Mineral Wool	650b/02

LPS 1181-2 SANDWICH PANELS OR BUILT-UP PANEL SYSTEMS USED INTERNALLY IN A BUILDING

LPS 1181:Part 2 *Requirements and tests for sandwich panels and built-up systems for use as internal constructions in buildings*

This standard determines the contribution to fire growth of sandwich panels and built-up cladding systems used internally within a building. Systems listed in this section are typically used for the construction of food factory clean rooms, cold store rooms/refrigerated spaces or room separation, other internal structure applications may also be applicable where insulated (acoustic or temperature controlled) spaces are specified. The structures are either self-supporting or supported by an external structure.

The test is a large scale test comprising setting fire to an open-ended enclosure (approximately the size of a large domestic garage) from the sandwich panels or built-up cladding system. It evaluates the panels, the jointing methods and the supporting system including fixings, which gives an assessment of the true fire performance of the system which cannot be determined from traditional small scale reaction to fire tests, such as surface spread of flame or fire propagation tests.

Products that have passed the test and have achieved LPCB approval are graded under the following designations:

Requirements for internal applications				
GRADE	Fire resistance		Wall and ceiling lining test Thermal exposure	
	Integrity (minutes)	Insulation (minutes)	Level	Source
INT-1	60	60	Enhanced	Gas burner
INT-2	30	30	Standard	Timber crib
INT-3			Standard	Timber crib

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Certificate No: 900b to

Product Name	Specification Thickness (mm)	Maximum Unsupported Panel Span (m)	Fire Resistance (min) Integrity	Fire Resistance (min) Insulation	Grade	Core Material	LPCB Ref. No.
WP-F (wall panel)	60, 80, 100, 120, 150 & 200	3.0	-	-	INT-3	Mineral Wool	900b/01
WP-F (ceiling panel)	60, 80, 100, 120, 150 & 200	3.5	-	-	INT-3	Mineral Wool	900b/02

Notes:

- LPCB ref 900b/01 WP-F Wall panels to be installed with no external supports & the long edge joint in the vertical orientation only.
- LPCB ref 900b/01 & 900b/02 Wall and ceiling panel joints to be stitched on the internal face with 3.2 mm blind rivets at nominally 300mm centres.
- LPCB ref 900b/02 WP-F Ceiling panels are supported by a hanger system consisting of.
 - A length of wire rope (4.0mm 6 x 7N 1AX) passed over and supported from a suitable load bearing frame.
 - An M10 turnbuckle with the rope secured using a U bolt and clamp.
 - A length of M10 studding is passing through a hole which is drilled in the panel and secured on the internal surface with an 80mm diameter washer and domed head nut, this is further protected with a 0.55mm thick steel box (130mm-square x 30mm-deep with 130mm x 30mm-flanges), lined with Promatect board and fixed using 3.2mm blind rivets.
 - The turn buckle is then adjusted to accommodate the weight of the panels.

LPS 1181-2 SANDWICH PANELS OR BUILT-UP PANEL SYSTEMS USED INTERNALLY IN A BUILDING

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Certificate No: 545c to LPC 1181 Part 2 Issue 2

Sandwich Panel Systems

Product Name	LPCB Ref. No.
Firemaster Wall Lite	545c/01
Firemaster Wall Extra	545c/02
Firemaster Ceiling Panel	545c/03
Firemaster Wall Ultima	545c/05

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Certificate No: 186d to LPS 1181 Part 2: Issue 2

Sandwich Panels

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation (H/V)(Note 1)	Kingspan Model Specification Ref(Note 2)	Fire Resistance Integrity/Insulation (min)	LPS 1181-2 Grade	Core Material(Note 2)	LPCB Ref. No.
Kingspan IPN QuadCore KS600-1200CS (wall and ceiling panels)	80 - 200	V	36 Rev 0	-/-	INT-3	Hybrid insulation	279e/01
Kingspan IPN QuadCore KS600-1200CS (wall panel)	100-200	V	36 Rev 0	45/39	INT-2	Hybrid insulation	279e/02
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	175 - 200	-	36 Rev 0	95/65	INT-2	Hybrid insulation	279e/03
Kingspan IPN QuadCore KS600-1200CS (wall panel)	100 - 200	V	36 Rev 0	128/30	INT-2	Hybrid insulation	279e/04
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	125 - 200	-	36 Rev 0	57/49	INT-2	Hybrid insulation	279e/05
Kingspan IPN QuadCore KS600-1200CS (wall panel)	175 - 200	V	36 Rev 0	211/65	INT-2	Hybrid insulation	279e/06

Notes;

1. Wall panel orientation, Horizontal or Vertical (H/V), relates to the long joint orientation

2. The Kingspan Model Specification documents contain full system details including panel fixing requirement, joint seals and stitching details as applicable. Reference must be made to the appropriate Model Specification to define the specific installation requirements. Copies of Model specifications are available on request please contact the Kingspan Envirocare Department - refer to model specification LPCB 36 Rev 0 for full details.

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Certificate No: 260d to LPS 1181 Part 2: Issue 2

Sandwich Panels

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation (H/V) (Note 1)	Kingspan Model Specification Ref(Note 2)	Fire Resistance Integrity/Insulation (min)	LPS 1181-2 Grade	Core Material (Note 2)	LPCB Ref. No.
Kingspan IPN QuadCore KS600-1200CS (wall and ceiling panels)	80 - 200	V	36 Rev 0	-/-	INT-3	Hybrid insulation	279e/01
Kingspan IPN QuadCore KS600-1200CS (wall panel)	100 - 200	V	36 Rev 0	45/39	INT-2	Hybrid insulation	279e/02
Kingspan IPN QuadCore	175 - 200	-	36 Rev 0	95/65	INT-2	Hybrid	279e/03

LPS 1181-2 SANDWICH PANELS OR BUILT-UP PANEL SYSTEMS USED INTERNALLY IN A BUILDING

KS600-1200CS (ceiling panel)						insulation	
Kingspan IPN QuadCore KS600-1200CS (wall panel)	100 - 200	V	36 Rev 0	128/80	INT-2	Hybrid insulation	279e/04
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	125 - 200	-	36 Rev 0	57/49	INT-2	Hybrid insulation	279e/05
Kingspan IPN QuadCore KS600-1200CS (wall panel)	175 - 200	V	36 Rev 0	211/65	INT-2	Hybrid insulation	279e/06

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Certificate No: 1499a to LPS 1181 Part 2 Issue 2.1

Sandwich Panel Systems

Product Name	Specification Insulation Thickness (mm) (See Certificate Note 10)	Specification Wall Panel Orientation (H/V) (Certificate Note 1)	Fire Resistance Integrity / Insulation (min)	LPS 1181-2 Grade	Insulation Type/Core Material	LPCB Ref. No.
QRV PIR Coldstore (wall and ceiling panels) system	100	H	- / -	INT-3	PIR	1499a/01

Montracon Ltd

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Certificate No: 1705a to LPS 1181-2

Factory made modular units

Product Name	Insulation Thickness (mm) See Note 3	Wall Panel Orientation (H/V) (Note 1)	Fire Resistance Integrity / Insulation (min)	LPS 1181-2 Grade	Insulation Type/ Core material	LPCB Ref. No.
Montracon Fire Rated Coldstore	100 - 150	H	- / -	INT-3	PIR	1705a/01

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Certificate No: 993a to LPS 1181 Part 2: Issue 2.0

Product Name	Specification Thickness (mm)	Maximum system size	Fire resistance (minutes) Integrity/Insulation	Grade	Core Material	LPCB Ref. No.
Paneltex Fireproof Coldstore (wall and ceiling panel system)	122 - 165	See Note 2	- / -	INT-3	PIR	993a/01
Paneltex Fireproof Coldstore (wall panel system)	122 - 165	See note 3	34 / 34 (note 3)	INT-2	PIR	993a/02

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Certificate No: 650d to LPS 1181 Part 2 Issue 2

Product Name	Specification Thickness (mm)	Specification Wall Panel Orientation (H/V) (Certificate Note 1)	Maximum Unsupported Span (m)	Fire Resistance Integrity / Insulation (min)	LPS 1181-2 Grade	Core Material	LPCB Ref. No.
Trimoterm FTV (wall panel)	80 - 240	V	3.0	-	INT-3	Mineral Wool	650d/01

LPS 1181-2 SANDWICH PANELS OR BUILT-UP PANEL SYSTEMS USED INTERNALLY IN A BUILDING

Trimoterm FTV (ceiling panel)	80 - 240	-	5.0	-	INT-3	Mineral Wool	650d/02
Trimoterm FTV-HL (wall panel)	100 - 240	V	3.0	-	INT-3	Mineral Wool	650d/03
Qbiss One Power T (wall panel)	120 - 240	V	3.0	-	INT-3	Mineral Wool	650d/04

LPS 1207 PROTECTIVE COVERING MATERIALS - PRE-FORMED

During the construction of new buildings and renovation of existing buildings, it is common to use sheeting made from plastic or similar materials to provide protection against the weather, dust and other materials produced by work in adjacent areas. If a material complies with LPS 1207 *Fire requirements for protective covering materials* it will not add significantly to the fire risk. This standard is referred to in *The Joint Code of Practice on the Protection from Fire of Construction Sites & Buildings Undergoing Renovation, 8th Edition* published by the FPA in association with RISC Authority.

LPS 1207 PROTECTIVE COVERING MATERIALS - SHEETING

During the construction of new buildings and renovation of existing buildings, it is common to use sheeting made from plastic or similar materials to provide protection against the weather, dust and other materials produced by work in adjacent areas. If a material complies with LPS 1207 *Fire requirements for protective covering materials* it will not add significantly to the fire risk. This standard is referred to in *The Joint Code of Practice on the Protection from Fire of Construction Sites & Buildings Undergoing Renovation*, 8th Edition published by the FPA in association with RISC Authority.

Bainbridge International Limited

Unit 8, Flanders Park, Flanders Road, Hedge End, Southampton, Hampshire, SO30 2FZ, United Kingdom

Tel: 01489 776050

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

Certificate No: 1058a to LPS 1207 Issue 3

Wall Cover Guard, Floor Cover Guard

Product Name	Thickness (mm)	Weight (g/m ²)	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Wall Cover Guard CG0636TF/CG0672TF	0.15 ± 15%	150 ± 10%	Blue	No	1058a/01
Floor Cover Guard CG1036DP/CG1072DP CG1336DP/CG1372DP CG2536DP/CG2572DP CG4036DP/CG4072DP	0.25 - 1.0 ± 15%	250 - 1000 ± 10%	Blue	No	1058a/02

Berry bpi Packaging Solutions (trading as a division of British Polythene Limited)

96 Port Glasgow Road, Greenock, Scotland, PA15 2UL, United Kingdom

Tel: +44 (0)1475 501100

Website: www.bpipoly.com

Certificate No: 521a to LPS 1207 Issue 3

Temporary protective covering material

Product Name	Thickness (mm)	Weight (g/sq m)	Base material colour	Assessed for additional print (logos, advertising etc)	LPCB Ref. No.
Visqueen Flame Retardant Polythene Protection	0.03 to 0.5	25 - 450	White, orange, blue, green, red and yellow	No	521a/03
Visqueen Megafilm	0.03 to 0.5	25 - 450	White, orange, blue, green, red and yellow	No	521a/03
Bpi FR+ Door Sleeves	0.03 to 0.5	25 - 450	White, orange, blue, green, red and yellow	Yes	521a/04
Bpi FR+ Flame Retardant Sheeting	0.03 to 0.5	25 - 450	White, orange, blue, green, red and yellow	Yes	521a/04
Visqueen Door Sleeves	0.03 to 0.5	25 - 450	White, Orange, Blue, Green, Red, and Yellow	No	521a/03

Berry bpi recycled products (Trading as a division of British Polythene Limited)

96 Port Glasgow Road, Greenock, Scotland, PA15 2UL, United Kingdom

Tel: 0774 769 3136

E-mail: enquiries@berrybpi.com • Website: www.Visqueen.com

Certificate No: 1792a to LPS 1207: Issue 3.1

Protective Covering Materials-Sheeting

Product Name	Thickness (mm)	Weight (g/m ²)	Base material colour	Assessed for additional print (logos, advertising etc)	LPCB Ref. No.
Visqueen Flame Retardant Polythene Protection	0.05 to 0.25 ±12%	48 to 240 (±12%)	Orange	No	1792a/02
Visqueen Flame Retardant Polythene Protection	0.05 to 0.25 ±12%	48 to 240 (±12%)	White	No	1792a/01

LPS 1207 PROTECTIVE COVERING MATERIALS - SHEETING

Bryson Products Ltd

Unit D, Redlands, Coulsdon, CR5 2HT, United Kingdom

Tel: 020 8660 9119

E-mail: Dean.reeves@bryson.co.uk • Website: www.bryson.co.uk

Certificate No: 341a-x2 to LPS 1207 Issue 3

Swiftguard Twin-Flute White Protection Board

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Swiftguard Twin-Flute White Protection Board	2.3 ± 0.5	200 - 800	White	Yes all colours	341a-x2/01
Swiftguard Twin-Flute Black Protection Board	2.3 ± 0.5	200 - 800	Black	Yes White	341a-x2/02

Corplex Plastics UK Ltd trading as Corplex UK

Unit 7a - 7b Madleave Road, Gloucester, GL1 5SG, United Kingdom

Tel: 01452 316 522

E-mail: Nigel.Davenport@corplex.com; correx.sales@corplex.com • Website: www.corplex.com

Certificate No: 227a to LPS 1207 Issue 3

Correx®

Product Name	Thickness (mm)	Weight g/m ²	Base material colour	Assessed for additional print (logos, advertising etc) note 1	LPCB Ref. No.
Correx®	2.0 to 3.5 ± 0.2	250 to 700 ± 10%	Black	Yes White	227a/01
Correx®	2.0 to 3.5 ± 0.2	250 to 700 ± 10%	Translucent	Yes Black, Blue, Red or Green	227a/02

Distriplast Flandre SAS

BP 20106, F 53944, Dunkerque Cedex 2, France

Tel: +33 3 28 29 2480

Website: www.distriplast.com

Certificate No: 1353a to LPS 1207: Issue 3

Product Name	Thicknes (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
FT BLL2 Diplast FR	2.0 ± 5%	250 ± 5%	White	Yes Red and Blue	1353a/01

Don & Low Ltd, Nonwovens

Glamis Road, Forfar, Angus, DD8 1EY, United Kingdom

Tel: +44 (0)1307 452600

E-mail: nonwovens@donlow.co.uk • Website: www.donlow.com

Certificate No: 726a to LPS 1207: Issue 3

Daltex Flame Retardant Spunbound (A100E5TFR)

Product Name	Thickness (mm)	Weight g/m ²	Base Material Cover	Assessed for Additional Print (Logos, Advertising etc) (Note 1 on Certificate)	LPCB Ref. No.
Daltex Flame Retardant Spunbound (A100E5TFR)	0.5 nominal	100 ± 5%	Grey	No Black	726a/02

Florprotec Limited

Relay Park, Relay Drive, Tamworth, B77 5PR, United Kingdom

Tel: +44 (0)1827 831440

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

Certificate No: 726a-x2 to LPS 1207: Issue 3

LPS 1207 PROTECTIVE COVERING MATERIALS - SHEETING

Florprotec® Breatha-Flor

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Florprotec® Breatha-Flor	0.5 nominal	100 ± 5%	Grey	No Black	726a-x2/02

Icon Protection EMEA Limited

Icon House, Unit 3, Byron Avenue, Kirkby-in-Ashfield, Nottingham, NG17 7LA, United Kingdom

Tel: +44 (0)1358 720888

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

Certificate No: 1205e to LPS 1207: Issue 3

Protective Covering Materials

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed for Additional Print (logos advertising etc) (Note 1)	LPCB Ref. No.
Antinox® 2/250 FR	2.0 ± 5%	250 ± 5%	White	Yes, Red and Blue	1205e/01

IPB N.V.

Steenovenstraat 30, B-8790 Waregem, Belgium

Tel: + 32 (0)56 60 79 19

E-mail: david.stofferis@iplast.be • Website: www.iplast.be

Certificate No: 365a to LPS 1207 Issue 3

Biplex

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed for Additional Print (Logos, Advertising etc) (Note 1 on Certificate)	LPCB Ref. No.
Biplex White	2.0 - 4.0 ± 5%	250 - 1000 ± 5%	White	Yes Blue, Green, Black	365a/01
Biplex Black	2.0 ± 5%	250 ± 5%	Black	Yes Blue, Green	365a/02

Northern Ireland Plastics Limited

39 Shrigley Road, Killyleagh, Co. Down, Northern Ireland, BT30 9SR, United Kingdom

Tel: +44 (0)2844 828753/4

E-mail: info@niplastics.com

Certificate No: 341a to LPS 1207 Issue 3

Product Name	Thickness (mm)	Weight (g/sq. m)	Base material colour	Assessed for additional print (logos, advertising etc) note 1	LPCB Ref. No.
Corriboard Twin Wall (White)	2.3 ± 0.5	200 – 800	White	Yes All colours	341a/01
Corriboard Twin Wall (Black)	2.3 ± 0.5	200 – 800	Black	Yes white	341a/02

Ockwells Limited

Unit 6, Transigo, Gables Way, Thatcham, Berkshire, RG19 4ZA, United Kingdom

Tel: +44 (0)1635 876336

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

Certificate No: 227a-x1 to LPS 1207 Issue 3.0

TwinShield

Product Name	Thickness (mm)	Weight g/m ²	Base material colour	Assessed for additional print (logos, advertising etc) note 1	LPCB Ref. No.
TwinShield	2.0 to 3.5 ± 0.2	250 to 700 ± 10%	Black	Yes White	227a-x1/01
TwinShield	2.0 to 3.5 ± 0.2	250 to 700 ± 10%	Translucent	Yes Black, Blue, Red or Green	227a-x1/02

Certificate No: 341a-x1 to LPS 1207 Issue 3

Product Name	LPCB Ref. No.
Ockwells Twinshield (White)	341a-x1/01
Ockwells Twinshield (Black)	341a-x1/02

LPS 1207 PROTECTIVE COVERING MATERIALS - SHEETING

Certificate No: 726a-x1 to LPS 1207: Issue3

FloorShield FR

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
FloorShield FR	0.5 nominal	100 ± 5%	Grey	No Black	726a-x1/02

Certificate No: 742a-x1 to LPS 1207: Issue 3

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Ockwells Twinshield	Ockwells Twinshield	1.7 ± 0.2 to 10.0 ± 0.5	250 to 2000 ± 10%	Natural	742a- x1/01

Ondaplast SpA

Via Crocetta, 3310, Longiano (FC), 47020, Italy

Tel: +39 0547 56616

E-mail: renzo.rossi@ondaplast.com • Website: www.ondaplast.com

Certificate No: 742a to LPS 1207: Issue 3

Protective Covering Material

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
RE-FLAM twin wall flame retardant sheet, natural colour	1.7 ± 0.2 to 10.0 ± 0.5	250 to 2000 ± 10%	Natural	Yes	742a/01

Protec International Limited

Construction House, Adlington Industrial Estate, Adlington, Cheshire, SK10 4NL, United Kingdom

Tel: +44 (0)1625 855666

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

Certificate No: 843a to LPS 1207: Issue 3

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed for Additional Print (Logos, Advertising etc) (Note 1 on Certificate)	LPCB Ref. No.
FR Polythene - Heavy, Medium and Light Duty	0.05 - 0.25 ± 5%	50.02 - 247.25 ± 5%	White	No	894a/02
Door Sleeve FR	0.05 - 0.25 ± 5%	50.02 - 247.25 ± 5%	White	No	894a/02
CushionGard FR	4.0 ± 10%	155 ± 5%	White	Yes	843a/01
Breather Shield FR	0.5 nominal	100 ± 5%	Grey	No Black	843a/07
Proplex - Translucent	2.0 - 4.0 ± 5%	250 ± 5%	Translucent	Yes All Colours	843a/03
Proplex - Translucent	4.0 ± 5%	700 ± 5%	Translucent	Yes Black, Blue	843a/03
Bath Protector FR	4.0 ± 5%	700 ± 5%	Translucent	Yes Black, Blue	843a/03
Bidet Protector FR	3.5 ± 5%	650 ± 5%	Translucent	Yes Black, Blue	843a/03
Edge Protector FR	4.0 ± 5%	700 ± 5%	Translucent	Yes Black, Blue	843a/03
Hob & Oven Protector FR	2.7 ± 5%	350 ± 5%	Translucent	Yes Black, Blue	843a/03
Sink Protector FR	3.0 ± 5%	600 ± 5%	Translucent	Yes Black, Blue	843a/03
Stair Protector FR	4.0 ± 5%	700 ± 5%	Translucent	Yes Black, Blue	843a/03
WC Protector FR (Concealed Cistern)	3.5 ± 5%	650 ± 5%	Translucent	Yes Black, Blue	843a/03
WC Protector FR	3.0 ± 5%	600 ± 5%	Translucent	Yes Black, Blue	843a/03
Window and Door Sill Protector	3.0 ± 5%	600 ± 5%	Translucent	Yes Black, Blue	843a/03
Door Protector Sheet FR	2.0 ± 5%	250 ± 5%	Translucent	Yes All Colours	843a/03
Proplex FR HD	4.0 ± 5%	1200 ± 5%	Translucent	Yes All Colours	843a/03
Proplex - Black	2.0 - 4.0 ± 5%	250 - 700 ± 5%	Black	Yes White	843a/05

LPS 1207 PROTECTIVE COVERING MATERIALS - SHEETING

Sealed Air Limited

Telford Way, Kettering, Northants, NN16 8UN, United Kingdom

Tel: 01536 315 700

E-mail: kettering.orders@sealedair.com • Website: www.sealedair.com

Certificate No: 505b to LPS 1207: Issue 3

Protective Covering Materials

Product Name	Thickness (mm)	Weight g/m ²	Base Material colour	Assessed for Additional Print (Logos, Advertising etc) See Certificate Note 1	LPCB Ref. No.
EMFR	4mm Bubble	60 ± 2	White	No	505b/03

Note:

1. All approved product shall be suitably marked in accordance with the requirement of LPS 1207: Issue 3, clause 5. Additional print refers to, for example, distributor, contractor or contract logos or pictures, product use and additional site safety information or advertising, and is applied in addition to the required approval marking of clause 5.

Solicom SA

Rue de Drinklange 9, Troisvierges, L-9911, Luxembourg

Tel: +352 26957256

E-mail: info@solicom-verisafe.com • Website: www.solicom-verisafe.com

Certificate No: 789a to LPS 1207 Issue 3

Protective covering material

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Verisafe 200	0.20 ± 5%	200 ± 5%	White	No	789a/01
Verisafe B1 280	0.28 +5/-10%	280 +5/-7%	White	No	789a/03
Verisafe-FR "S"	0.18 ± 5%	180 ± 5%	White	No	789a/04

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

LPS 1208: *LPCB test and performance requirements for walls, cavity barriers, floors and roofs* defines the test and performance requirements to satisfy the fire resistance requirements for compartmentation given in the *LPC Design Guide for Fire Protection of Buildings: 2000*.

Products for use in the following elements of construction fall within the scope of LPS 1208:

- Loadbearing compartment walls
- Non-loadbearing compartment walls and partitions
- External walls
- Curtain walls
- Cavity barriers
- Roofs where fire resistance is required (loadbearing and non-loadbearing)
- Loadbearing compartment floors
- Insulated panels used for enclosing production and storage areas in food factories

Note: Unless otherwise stated in individual listings, elements of construction have not been approved for load bearing capacity.

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: 443b to

Product Name	LPCB Ref. No.
Twin-Therm® FW120 FireWall	443b/02

Euroclad Group Limited

Wentloog Corporate Park, Wentloog Road, Cardiff, CF3 2ER, United Kingdom

Tel: +44 (0)2920 790722

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

Units A, C & D, Wentloog Corporate Park, Wentloog Road, Cardiff, CF2 3ER, United Kingdom

Email: sales@euroclad.com

Certificate No: 545a to LPS 1208: Issue 2

Sandwich Panel Systems

Product Name	Thickness (mm)	Fire Resistance Integrity/Insulation (min)	Wall Panel Orientation (V/H) *	Maximum Unsupported span (m)	Grade	Core Material	LPCB Ref. No.
Firemaster Wall Extra	100	30/30	V or H	7.5	FR30	Mineral fibre	545a/01
Firemaster Wall Extra	100	60/60	V or H	6.0	FR60	Mineral fibre	545a/01
Firemaster Wall Extra	100	120/120	V or H	5.5	FR120	Mineral fibre	545a/01
Firemaster Wall Extra	100	90/90	V or H	5.5	FR90	Mineral fibre	545a/01
Firemaster Wall Extra	125	30/30	V or H	7.5	FR30	Mineral fibre	545a/01
Firemaster Wall Extra	125	60/60	V or H	6.0	FR60	Mineral fibre	545a/01
Firemaster Wall Extra	125	90/90	V or H	5.5	FR90	Mineral fibre	545a/01
Firemaster Wall Extra	150	30/30	V or H	7.5	FR30	Mineral fibre	545a/01
Firemaster Wall Extra	125	120/120	V or H	5.5	FR120	Mineral fibre	545a/01
Firemaster Wall Extra	150	60/60	V or H	7.5	FR60	Mineral fibre	545a/01
Firemaster Wall Extra	150	90/90	V or H	7.5	FR90	Mineral fibre	545a/01
Firemaster Wall Extra	150	120/120	V or H	7.5	FR120	Mineral fibre	545a/01
Firemaster Wall Extra	175	120/120	V or H	7.5	FR120	Mineral fibre	545a/01
Firemaster Wall Extra	200	30/30	V or H	7.5	FR30	Mineral fibre	545a/01
Firemaster Wall Extra	200	60/60	V or H	7.5	FR60	Mineral fibre	545a/01
Firemaster Wall Extra	175	60/60	V or H	7.5	FR60	Mineral fibre	545a/01
Firemaster Wall Extra	175	30/30	V or H	7.5	FR30	Mineral fibre	545a/01
Firemaster Wall Extra	175	90/90	V or H	7.5	FR90	Mineral fibre	545a/01
Firemaster Wall Extra	200	90/90	V or H	7.5	FR90	Mineral fibre	545a/01
Firemaster Wall Extra	200	120/120	V or H	7.5	FR120	Mineral fibre	545a/01
Firemaster Ceiling Panel	125	60/60	-	4.2	FR60	Mineral fibre	545a/02
Firemaster Ceiling	150	90/90	-	4.5	FR90	Mineral fibre (See	545a/12

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Panel						note 2)	
Firemaster Ceiling Panel	150	60/60	-	6.0	FR60	Mineral fibre	545a/12
Firemaster Ceiling Panel	150	60/60	-	4.2	FR60	Mineral fibre	545a/02
Firemaster Ceiling Panel	150	90/90	-	4.7	FR90	Mineral fibre	545a/12
Europanel F5 (wall panel)	100	30/30	V or H	7.5	FR30	Mineral fibre	545a/05
Europanel F5 (wall panel)	125	60/60	V or H	6.0	FR60	Mineral fibre	545a/05
Europanel F5 (wall panel)	150	60/60	V or H	7.5	FR60	Mineral fibre	545a/05
Europanel F5 (wall panel)	150	90/90	V or H	7.5	FR90	Mineral fibre	545a/05
Europanel F5 (wall panel)	150	120/120	H	7.5	FR120	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	60/60	V or H	7.5	FR60	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	120/120	H	7.5	FR120	Mineral fibre	545a/05
Europanel F5 (wall panel)	125	30/30	V or H	7.5	FR30	Mineral fibre	545a/05
Europanel F5 (wall panel)	150	30/30	V or H	7.5	FR30	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	90/90	V or H	7.5	FR90	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	30/30	V or H	7.5	FR30	Mineral fibre	545a/05
Europanel F5 (wall panel)	200	30/30	V or H	7.5	FR30	Mineral fibre	545a/05
Europanel F5 (wall panel)	200	60/60	V or H	7.5	FR60	Mineral fibre	545a/05
Europanel F5 (wall panel)	200	90/90	V or H	7.5	FR90	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	30/30	H	7.5	FR30	Mineral fibre	545a/22
Europanel F5 (wall panel)	175	60/60	H	7.5	FR60	Mineral fibre	545a/22
Europanel F5 (wall panel)	200	120/120	V or H	7.5	FR120	Mineral fibre	545a/05
Europanel F5 (wall panel)	175	90/90	H	7.5	FR90	Mineral fibre	545a/22
Europanel F5 (wall panel)	175	120/120	H	7.5	FR120	Mineral fibre	545a/22
Europanel F5 (wall panel)	200	30/30	H	7.5	FR30	Mineral fibre	545a/22
Europanel F5 (wall panel)	200	60/60	H	7.5	FR60	Mineral fibre	545a/22
Europanel F5 (wall panel)	200	120/120	H	7.5	FR120	Mineral fibre	545a/22
Europanel F5 (wall panel)	200	90/90	H	7.5	FR90	Mineral fibre	545a/22
Rockspan Extra (wall panel)	100	120/120	V or H	5.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	125	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	100	60/60	V or H	6.0	FR60	Mineral fibre	545a/08
Rockspan Extra (wall panel)	100	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	100	90/90	V or H	5.5	FR90	Mineral fibre	545a/08
Rockspan Extra (wall panel)	150	120/120	V or H	7.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	150	60/60	V or H	7.5	FR60	Mineral fibre	545a/08
Rockspan Extra (wall panel)	125	60/60	V or H	6.0	FR60	Mineral fibre	545a/08
Rockspan Extra (wall panel)	125	120/120	V or H	5.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	125	90/90	V or H	5.5	FR90	Mineral fibre	545a/08
Rockspan Extra (wall panel)	150	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	150	90/90	V or H	7.5	FR90	Mineral fibre	545a/08
Rockspan Extra (wall panel)	175	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	175	60/60	V or H	7.5	FR60	Mineral fibre	545a/08

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Rockspan Extra (wall panel)	175	120/120	V or H	7.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	200	60/60	V or H	7.5	FR60	Mineral fibre	545a/08
Rockspan Extra (wall panel)	200	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	200	90/90	V or H	7.5	FR90	Mineral fibre	545a/08
Rockspan Extra (wall panel)	200	120/120	V or H	7.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	240	60/60	V or H	7.5	FR60	Mineral fibre	545a/08
Rockspan Extra (wall panel)	240	90/90	V or H	7.5	FR90	Mineral fibre	545a/08
Rockspan Extra (wall panel)	240	30/30	V or H	7.5	FR30	Mineral fibre	545a/08
Rockspan Extra (wall panel)	240	120/120	V or H	7.5	FR120	Mineral fibre	545a/08
Rockspan Extra (wall panel)	175	90/90	V or H	7.5	FR90	Mineral fibre	545a/08
Rainspan- ACM	175	180/180	V or H	7.5	FR180	Mineral fibre	545a/14
Rainspan- ACM	150	120/120	V or H	7.5	FR120	Mineral fibre	545a/14
Rainspan- ACM	125	120/120	V or H	7.5	FR120	Mineral fibre	545a/14

Certificate No: 879b to LPS 1208: Issue 2.2

Composite Construction Elements

Product Name	LPCB Ref. No.
Elite 51 (Wall System)	879b/09
Elite 52 (Wall System)	879b/10
Elite 53 (Wall System)	879b/11
Elite 54 (Wall System)	879b/12
Elite 55 (Wall System)	879b/13
Elite 56 (Wall System)	879b/14
Elite 57 (Wall System)	879b/15
Elite 58 (Wall System)	879b/16
Elite 60 (Wall System)	879b/17
Elite 50 (Wall System)	879b/18

Hemsec Manufacturing Limited

Stoney Lane, Rainhill, Prescot, Merseyside, L35 9LL, United Kingdom

Tel: +44 (0)151 426 7171

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

Certificate No: 558a to LPS 1208 Issue 2

HPT Control 30 and HPT Control 60 wall and ceiling panels

Product Name	Specification Thickness (mm)	Maximum Unsupported span (m)	Wall Panel orientation (H/V)	BS 476:Part 22 Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
HPT Control 30 (wall 30 (wall panel)	100 - 200	4.0	V	30/30	FR30	PIR	558a/16
HPT Control 30 (wall panel)	100 - 200	4.0	V	60/30	FR30	PIR	558a/16
HPT Control 30 (wall panel)	175 - 200	7.5	V	30/30	FR30	PIR	558a/16
HPT Control 60 (wall panel)	175 - 200	4.0	V	60/60	FR60	PIR	558a/16
HPT Control 30 (ceiling panel)	100 - 200	7.5	-	60/30 60/30	FR30	PIR	558a/17
HPT Control 30 (ceiling panel)	175 - 200	7.5	-	30/30	FR30	PIR	558a/17
HPT Control 60 (ceiling panel)	175 - 200	4.5	-	60/60	FR60	PIR	558a/17

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LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Certificate No: 142a to LPS 1208 Issue 2

Sandwich panels

Product Name	Specification Thickness (mm)	Maximum Unsupported Span (mm)	Wall Panel Orientation (H/V) (Certificate Note 1)	Fire Resistance (Min) Integrity/Insulation	Grade	Core Material	LPCB Ref. No.
Firestop 10 (Wall Panel)	75	3.0	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100	5.5	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100	4.0	v	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	125	5.5	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	125	4.65	V	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	150	5.5	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	150	5.5	V	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	150	4.0	V	90 / 90	FR90	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	175	5.5	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	175	5.5	V	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	175	4.35	V	90 / 90	FR90	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	200	5.5	V	30 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	200	5.5	V	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	200	5.0	V	90 / 90	FR90	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100 - 200	6.0	H	180 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100 - 200	7.5	H	180 / 30	FR30	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100 - 200	6.0	H	60 / 60	FR60	Mineral Fibre	142a/01
Firestop 10 (Wall Panel)	100 - 200	7.5	H	60 / 30	FR30	Mineral Fibre	142a/01
Firestop 12 (Wall Panel)	75	3.0	V	30 / 30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	75	3.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	100	7.5	V	30 / 30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	100	6.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	125	7.5	V	30 / 30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	125	6.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	100	4.0	V	90 / 90	FR90	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	125	5.0	V	90 / 90	FR90	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	150	7.5	V	30 / 30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	150	6.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	150	5.5	V	90 / 90	FR90	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	150	4.5	V	120 / 120	FR120	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	175	7.5	V	30/30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	175	6.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	175	5.5	V	90 / 90	FR90	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	175	5.25	V	120 / 120	FR120	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	200	7.5	V	30 / 30	FR30	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	200	6.0	V	60 / 60	FR60	Mineral Fibre	142a/02
Firestop 12 (Wall Panel)	200	5.5	V	90 / 90	FR90	Mineral Fibre	142a/02

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Panel)						Fibre	
Firestop 12 (Wall Panel)	200	5.5	V	120 / 120	FR120	Mineral Fibre	142a/02
Firestop 12c (Ceiling Panel)	100 - 125	6.0	-	30 / 30	FR30	Mineral Fibre	142a/03
Firestop 12c (Ceiling Panel)	100 - 125	4.0	-	60 / 60	FR60	Mineral Fibre	142a/03
Firestop 12c (Ceiling Panel)	150 - 200	7.5	-	30 / 30	FR30	Mineral Fibre	142a/03
Firestop 12c (Ceiling Panel)	150 - 200	6.0	-	60 / 60	FR60	Mineral Fibre	142a/03
Firestop 12c (Ceiling Panel)	150 - 200	4.7	-	90 / 90	FR90	Mineral Fibre	142a/03
Firestop 12c (Ceiling Panel)	150 - 200	4.1	-	120 / 120	FR120	Mineral Fibre	142a/03
Isoclad PIR (Wall Panel)	100 - 149	3.0	V	46 / 41	FR30	PIR	142a/05
Isoclad PIR (Ceiling Panel)	150	3.4	-	82 / 50	FR30	PIR	142a/06
Isoclad PIR 40 (Wall Panel)	150	7.5	V	30 / 30	FR30	PIR	142a/07
Isoclad PIR 40 (Wall Panel)	150	4.0	V	60 / 30	FR30	PIR	142a/07
Firestop 12 (Ceiling Panel)	100	4.4	-	63 / 63	FR60	Mineral Fibre	142a/08

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Certificate No: 700d to LPS 1208: Issue 2.2

Built-Up Cladding / Sandwich Panels

Product Name	Specification Thickness (mm)	Maximum Unsupported Span (m)	Wall Panel Orientation (H/V) (note 1)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
JI Wall 1150 Insulated Wall Panel	100 - 220	4.0	V	62/34	FR30	PIR	700d/01

Certificate No: 700e to LPS 1208: Issue 2.2

Sandwich Panels / Roof Panels

Product Name	Specification Thickness (mm)	Maximum Unsupported Span (m)	Fire Resistance (min) Integrity / Insulation	Load Bearing Capacity Under Test Conditions (kN/m²)	Grade	Core Material and Nominal Density (kg/m³)	LPCB Ref. No.
JI Vulcasteel Roof 1000	80	2095	125/80	0.8	FR60	Mineral wool ≥ 100	700e/01
JI Vulcasteel Roof 1000	100	2110	140/135	0.8	FR120	Mineral wool ≥ 100	700e/02
JI Vulcasteel Roof 1000	120	2090	122/122	0.8	FR120	Mineral wool ≥ 100	700e/03

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Certificate No: 186c to LPS 1208 Issue 2

Sandwich Panel Systems

Product Name	LPCB Ref. No.
Kingspan IPN QuadCore KS1100CS (wall panel)	279d/01
Kingspan IPN QuadCore KS1100CS (ceiling panel)	279d/02
Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/03
Kingspan IPN QuadCore KS1100CS (ceiling panel)	279d/04
Kingspan IPN QuadCore KS600 - 1200CS (wall panel)	279d/05
Kingspan IPN QuadCore KS600 - 1200CS (wall panel)	279d/06
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	279d/07

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/08
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	279d/09
Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/10

Kingspan Ltd.

Greenfield Business Park No. 2, Greenfield, Holywell, Flintshire, CH8 7GJ, United Kingdom

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Certificate No: 260c to LPS 1208 Issue 2

Sandwich Panel Systems

Product Name	LPCB Ref. No.
Kingspan IPN QuadCore KS1100CS (wall panel)	279d/01
Kingspan IPN QuadCore KS1100CS (ceiling panel)	279d/02
Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/03
Kingspan IPN QuadCore KS1100CS (ceiling panel)	279d/04
Kingspan IPN QuadCore KS600 - 1200CS (wall panel)	279d/05
Kingspan IPN QuadCore KS600 - 1200CS (wall panel)	279d/06
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	279d/07
Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/08
Kingspan IPN QuadCore KS600-1200CS (ceiling panel)	279d/09
Kingspan IPN QuadCore KS600-1200CS (wall panel)	279d/10

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Certificate No: 381a to LPS 1208: Issue 2.2

Sandwich Panels

Product Name	Specification Thickness (mm)	Maximum Unsupported Span (m)	Wall Panel Orientation (H/V) (note 1)	Fire Resistance (mm) Integrity/Insulation	Grade	Core Material	LPCB Ref. No.
PAROC AST-F	80	7.5	V	30/30	FR30	Mineral Wool	381a/01
PAROC AST-F	80	4.9	V	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	100	7.5	V	30/30	FR30	Mineral Wool	381a/01
PAROC AST-F	100	4.4	V	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	80	4.0	V	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	100	6.6	V	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	120	7.5	V	30/30	FR30	Mineral Wool	381a/01
PAROC AST-F	120	7.5	V	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	120	6.4	V	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	100	4.0	V	120/120	FR120	Mineral Wool	381a/01
PAROC AST-F	120	4.8	V	120/120	FR120	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	V	30/30	FR30	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	V	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	V	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	150 - 300	4.7	V	120/120	FR120	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.1	V	180/180	FR180	Mineral Wool	381a/01
PAROC AST-F	50 – 80	4.0	H	30/30	FR30	Mineral Wool	381a/01

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

PAROC AST-F	80 – 150	4.0	H	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	80 – 150	4.0	H	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	80 – 150	4.0	H	120/120	FR120	Mineral Wool	381a/01
PAROC AST-F	80 – 150	4.0	H	240/240	FR240	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	30/30	FR30	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	60/60	FR60	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	90/90	FR90	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	120/120	FR120	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	180/180	FR180	Mineral Wool	381a/01
PAROC AST-F	150 - 300	7.5	H	240/240	FR240	Mineral Wool	381a/01
PAROC AST-S (Wall Panel)	100	4.0	V	60/60	FR60	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	120	7.5	V	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	100	6.7	V	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	120	6.9	V	60/60	FR60	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80	5.1	V	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	120	4.6	V	90/90	FR90	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	7.5	V	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	6.1	V	120/120	FR120	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	7.5	V	90/90	FR90	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	4.1	V	180/180	FR180	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	4.0	V	240/240	FR240	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	4.0	H	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	150 - 300	7.5	V	60/60	FR60	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	4.0	H	60/60	FR60	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	4.0	H	90/90	FR90	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	4.0	H	120/120	FR120	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	7.5	H	120/120	FR120	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	7.5	H	30/30	FR30	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	3.0	H	180/180	FR180	Mineral Wool	381a/02
PAROC AST-S (Wall Panel)	80 – 120	7.5	H	60/60	FR60	Mineral Wool	381a/02
PAROC AST-E (Ceiling Panel)	100 – 120	8.2	-	30/30	FR30	Mineral Wool	381a/04
PAROC AST-S (Wall Panel)	80 – 120	7.5	H	90/90	FR90	Mineral Wool	381a/02
PAROC AST-E (Ceiling Panel)	150 – 300	8.0	-	30/30	FR30	Mineral Wool	381a/04
PAROC AST-E (Ceiling Panel)	150 – 300	6.4	-	60/60	FR60	Mineral Wool	381a/04
PAROC AST-E (Ceiling Panel)	100 – 120	6.5	-	60/60	FR60	Mineral Wool	381a/04
PAROC AST-E (Ceiling Panel)	150 – 300	5.2	-	90/90	FR90	Mineral Wool	381a/04
PAROC AST-L (wall panel)	150 - 300	7.5	V	30/30	FR30	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	7.5	V	60/60	FR60	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	7.5	V	120/120	FR120	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	7.5	V	90/90	FR90	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	4.0	V	180/180	FR180	Mineral Wool	381a/06

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

panel)						Wool	
PAROC AST-L (wall panel)	150 - 300	7.5	H	30/30	FR30	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	7.5	H	60/60	FR60	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	6.0	H	120/120	FR120	Mineral Wool	381a/06
PAROC AST-L (wall panel)	150 - 300	7.5	H	90/90	FR90	Mineral Wool	381a/06
PAROC AST-S SHADOW (wall panel)	200 - 300	7.5	H	120/120	FR120	Mineral Wool	381a/07
PAROC AST-S SHADOW (wall panel)	200 - 300	7.5	H	60/60	FR60	Mineral Wool	381a/07
PAROC AST-S SHADOW (wall panel)	200 - 300	7.5	H	90/90	FR90	Mineral Wool	381a/07
PAROC AST-S SHADOW (wall panel)	200 - 300	7.5	H	30/30	FR30	Mineral Wool	381a/07
PAROC AST-S SHADOW (wall panel)	200 - 300	7.5	H	180/180	FR180	Mineral Wool	381a/07
PAROC AST-E SHADOW (wall panel)	200 - 300	7.5	H	30/30	FR30	Mineral Wool	381a/08
PAROC AST-E SHADOW (wall panel)	200 - 300	7.5	H	60/60	FR60	Mineral Wool	381a/08
PAROC AST-E SHADOW (wall panel)	200 - 300	7.5	H	90/90	FR90	Mineral Wool	381a/08
PAROC AST-E SHADOW (wall panel)	200 - 300	4.0	H	180/180	FR180	Mineral Wool	381a/08
PAROC AST-E SHADOW (wall panel)	200 - 300	7.5	H	120/120	FR120	Mineral Wool	381a/08
PAROC AST-F SHADOW (wall panel)	200 - 300	7.5	H	60/60	FR60	Mineral Wool	381a/09
PAROC AST-F SHADOW (wall panel)	200 - 300	7.5	H	120/120	FR120	Mineral Wool	381a/09
PAROC AST-F SHADOW (wall panel)	200 - 300	4.0	H	180/180	FR180FR180	Mineral Wool	381a/09
PAROC AST-F SHADOW (wall panel)	200 - 300	7.5	H	90/90	FR90	Mineral Wool	381a/09
PAROC AST-F SHADOW (wall panel)	200 - 300	7.5	H	30/30	FR30	Mineral Wool	381a/09

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Certificate No: 750a to LPS 1208 Issue 2.1

Sandwich panels

Product Name	SpecificationThickness(mm)	Max Unsupported Span	Wall Panel Orientation (H/V) (Note 1)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
Enviro Panel PIR (wall panel)	100	3.0	V	43 / 15	FR15	PIR	750a/01
Enviro Panel PIR (wall panel)	150	3.0	V	60 / 48	FR30	PIR	750a/01
Enviro Panel PIR (wall panel)	200	3.0	V	60 / 48	FR30	PIR	750a/01
Enviro Panel Mineral Wool (wall panel)	100	7.5	V	121 / 44	FR30	Mineral Wool	750a/02
Enviro Panel Mineral Wool (ceiling panel)	150	3.0	- / -	121 / 68	FR60	Mineral Wool	750a/03
Enviro Panel PIR (wall panel)	100	3.0	V	30 / 15	FR15	PIR	750a/04
Enviro Panel PIR (wall panel)	150	3.0	V	60 / 30	FR30	PIR	750a/04
Enviro Panel PIR (wall panel)	200	3.0	V	60 / 30	FR30	PIR	750a/04
Enviro Panel Mineral Wool (wall panel)	100	7.5	V	120 / 30	FR30	Mineral Wool	750a/05
Enviro Panel Mineral Wool (ceiling panel)	150	3.0	- / -	120 / 60	FR60	Mineral Wool	750a/06
Enviro Panel Mineral Wool (wall panel)	150	7.5	V	120 / 60	FR60	Mineral Wool	750a/07

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Paneltex Limited

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Certificate No: 993b to

Product Name	Specification Thickness(mm)	Maximum unsupported span(m)	Fire Resistance(minutes)Integrity / Insulation(EN 1365-1)	Load bearing capacity under test conditions	Grade	Core Material	LPCB Ref. No.
Paneltex Fireproof Coldstore (wall panel system)	122 - 165	See note 1	34 / 34	65kg/m (1.297kN per linear metre)	FR30	PIR	993b/01

Note:

1. LPCB Ref 993b/01 Paneltex Fireproof Coldstore wall panels have the inner liner long edge joint in the horizontal orientation, the panels are factory manufactured to required height and length. The maximum wall height shall not exceed 3.000m.

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Certificate No: 022c to LPS 1208 Issue 2

Rockwool Firepro™ Fire Barrier System Rockwool Firepro™ Fire Barrier Slab

Product Name	Product	Specification	Fire Resistance (min) Insulation (Integrity)	Fire Resistance (min) Insulation (Insulation)	Grade	LPCB Ref. No.
Rockwool Firepro™ Fire Barrier System	½ hour cavity Barrier	1 layer 50mm thick	60	15	FR15	022c/01
Rockwool Firepro™ Fire Barrier System	½ hour Fire Barrier	1 layer 60mm Fire Barrier foil faced overlapped joints	60	30	FR30	022c/01
Rockwool Firepro™ Fire Barrier System	1 hour Fire Barrier	2 layers 50mm Fire Barrier staggered vertical joints	60	60	FR60	022c/01
Rockwool Firepro™ Fire Barrier System	1½ hour Fire Barrier	2 layers 50mm Fire Barrier staggered vertical joints	90	90	FR90	022c/01
Rockwool Firepro™ Fire Barrier System	2 hour Fire Barrier	2 layers 60mm Fire Barrier foil faced separated by 40 min air gap	120	120	FR120	022c/01

Certificate No: 022c to LPS 1208 Issue 2

Rockwool Firepro™ Fire Barrier System Rockwool Firepro™ Fire Barrier Slab

Product Name	Cavity Width	Slab Size (mm)	Fire Resistance (min) Insulation (Integrity)	Fire Resistance (min) Insulation (Insulation)	Grade	LPCB Ref. No.
Rockwool Firepro™ Fire Barrier Slab	Up to 1000	1000 x 600 x 100	240	60	FR60	022c/02

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Manufacturer (Audited by the LPCB):

Ruukki Construction Oy, Makelantie 9, 62900 Alajarvi, Finland

Certificate No: 660a to LPS 1208: Issue 2

Sandwich panels

Product Name	Specification Thickness (mm)	Max Unsupported Span (mm)	Wall Panel Orientation (H/V)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
SPA E	80	7.5	H	30/30	FR30	Mineral wool	660a/03
SPA E	80	7.5	H	60/60	FR60	Mineral wool	660a/03

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

SPA E	80	3.0	H	90/60	FR60	Mineral wool	660a/03
SPA E	100	7.5	V or H	30/30	FR30	Mineral wool	660a/03
SPA E	100	7.5	V or H	60/60	FR60	Mineral wool	660a/03
SPA E	100	7.5	H	90/60	FR60	Mineral wool	660a/03
SPA E	100	7.0	H	120/60	FR60	Mineral wool	660a/03
SPA E	100	7.5	V	90/90	FR90	Mineral wool	660a/03
SPA E	100	7.5	V	120/90	FR90	Mineral wool	660a/03
SPA E	100	7.5	V	240/90	FR90	Mineral wool	660a/03
SPA E	125	7.5	V or H	30/30	FR30	Mineral wool	660a/03
SPA E	125	7.5	V or H	60/60	FR60	Mineral wool	660a/03
SPA E	125	7.5	V	90/90	FR90	Mineral wool	660a/03
SPA E	125	7.5	V	120/120	FR120	Mineral wool	660a/03
SPA E	125	7.5	V	180/180	FR180	Mineral wool	660a/03
SPA E	150-230	7.5	V or H	30/30	FR30	Mineral wool	660a/03
SPA E	150-230	7.5	V or H	60/60	FR60	Mineral wool	660a/03
SPA E	150 - 230	7.5	V or H	90/90	FR90	Mineral wool	660a/03
SPA E	150-230	7.5	V or H	120/120	FR120	Mineral wool	660a/03
SPA E	150-230	7.5	H	180/180	FR180	Mineral wool	660a/03
SPA E	150-230	7.5	H	240/180	FR180	Mineral wool	660a/03
SPA E ENERGY	150-230	7.5	V or H	30/30	FR30	Mineral wool	660a/07
SPA E ENERGY	150-230	7.5	V or H	60/60	FR60	Mineral wool	660a/07
SPA E ENERGY	150-230	7.5	V or H	90/90	FR90	Mineral wool	660a/07
SPA E ENERGY	150 - 230	7.5	V or H	120/120	FR120	Mineral wool	660a/07
SPA E ENERGY	150 - 230	7.5	H	180/180	FR180	Mineral wool	660a/07
SPA E ENERGY	150 - 230	7.5	H	240/180	FR180	Mineral wool	660a/07
SPA I	80	7.5	H	30/30	FR30	Mineral wool	660a/04
SPA I	80	7.5	H	60/60	FR60	Mineral wool	660a/04
SPA I	80	3.0	H	90/60	FR60	Mineral wool	660a/04
SPA I	100	7.5	V or H	30/30	FR30	Mineral wool	660a/04
SPA I	100	7.5	V or H	60/60	FR60	Mineral wool	660a/04
SPA I	100	7.5	H	90/60	FR60	Mineral wool	660a/04
SPA I	100	7.5	H	120/60	FR60	Mineral wool	660a/04
SPA I	100	7.5	V	90/90	FR90	Mineral wool	660a/04
SPA I	100	7.5	V	120/90	FR90	Mineral wool	660a/04
SPA I	100	7.5	V	240/90	FR90	Mineral wool	660a/04
SPA I	125	7.5	V or H	30/30	FR30	Mineral wool	660a/04
SPA I	125	7.5	V or H	60/60	FR60	Mineral wool	660a/04
SPA I	125	7.5	V	90/90	FR90	Mineral wool	660a/04
SPA I	125	7.5	V	120/120	FR120	Mineral wool	660a/04
SPA I	125	7.5	V	180/180	FR180	Mineral wool	660a/04
SPA I	150 - 230	7.5	V or H	30/30	FR30	Mineral wool	660a/04

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

							wool
SPA I	150 - 230	7.5	V or H	60/60	FR60	Mineral wool	660a/04
SPA I	150 - 230	7.5	V or H	90/90	FR90	Mineral wool	660a/04
SPA I	150 - 230	7.5	V or H	120/120	FR120	Mineral wool	660a/04
SPA I	150 - 230	7.5	H	180/180	FR180	Mineral wool	660a/04
SPA I	150 - 230	7.5	H	240/180	FR180	Mineral wool	660a/04
SPA F	80	7.5	H	30/30	FR30	Mineral wool	660a/05
SPA F	80	7.5	H	60/60	FR60	Mineral wool	660a/05
SPA F	80	3.0	H	90/60	FR60	Mineral wool	660a/05
SPA F	100	7.5	V or H	30/30	FR30	Mineral wool	660a/05
SPA F	100	7.5	V or H	60/60	FR60	Mineral wool	660a/05
SPA F	100	7.5	V or H	90/90	FR90	Mineral wool	660a/05
SPA F	100	7.5	V or H	120/120	FR120	Mineral wool	660a/05
SPA F	125 - 150	7.5	V or H	30/30	FR30	Mineral wool	660a/05
SPA F	125 - 150	7.5	V or H	60/60	FR60	Mineral wool	660a/05
SPA F	125 - 150	7.5	V or H	90/90	FR90	Mineral wool	660a/05
SPA F	125 - 150	7.5	V or H	120/120	FR120	Mineral wool	660a/05
SPA F	125 - 150	7.5	H	180/180	FR180	Mineral wool	660a/05
SPA F	175 - 230	7.5	V or H	30/30	FR30	Mineral wool	660a/05
SPA F	175 - 230	7.5	V or H	60/60	FR60	Mineral wool	660a/05
SPA F	175 - 230	7.5	V or H	90/90	FR90	Mineral wool	660a/05
SPA F	175 - 230	7.5	V or H	120/120	FR120	Mineral wool	660a/05
SPA F	175 - 230	7.5	V or H	180/180	FR180	Mineral wool	660a/05
SPA F	175 - 230	7.5	H	240/240	FR240	Mineral wool	660a/05
SPA F ENERGY	150	7.5	V or H	30/30	FR30	Mineral wool	660a/10
SPA F ENERGY	150	7.5	V or H	60/60	FR60	Mineral wool	660a/10
SPA F ENERGY	150	7.5	V or H	90/90	FR90	Mineral wool	660a/10
SPA F ENERGY	150	7.5	V or H	120/120	FR120	Mineral wool	660a/10
SPA F ENERGY	150	7.5	H	180/180	FR180	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	V or H	30/30	FR30	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	V or H	60/60	FR60	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	V or H	90/90	FR90	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	V or H	120/120	FR120	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	V or H	180/180	FR180	Mineral wool	660a/10
SPA F ENERGY	175 - 230	7.5	H	240/240	FR240	Mineral wool	660a/10
SPA S	80	7.5	H	30/30	FR30	Mineral wool	660a/06
SPA S	80	7.5	H	60/60	FR60	Mineral wool	660a/06
SPA S	80	3.0	H	90/60	FR60	Mineral wool	660a/06
SPA S	100	7.5	V or H	30/30	FR30	Mineral wool	660a/06
SPA S	100	7.5	V or H	60/60	FR60	Mineral wool	660a/06
SPA S	100	7.5	V or H	90/90	FR90	Mineral wool	660a/06

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

SPA S	100	7.5	V or H	120/120	FR120	wool Mineral wool	660a/06
SPA S	125 - 150	7.5	V or H	30/30	FR30	Mineral wool	660a/06
SPA S	125 - 150	7.5	V or H	60/60	FR60	Mineral wool	660a/06
SPA S	125 - 150	7.5	V or H	90/90	FR90	Mineral wool	660a/06
SPA S	125 - 150	7.5	V or H	120/120	FR120	Mineral wool	660a/06
SPA S	125 - 150	7.5	H	180/180	FR180	Mineral wool	660a/06
SPA S	175 - 230	7.5	V or H	30/30	FR30	Mineral wool	660a/06
SPA S	175 - 230	7.5	V or H	60/60	FR60	Mineral wool	660a/06
SPA S	175 - 230	7.5	V or H	90/90	FR90	Mineral wool	660a/06
SPA S	175 - 230	7.5	V or H	120/120	FR120	Mineral Wool	660a/06
SPA S	175 - 230	7.5	V or H	180/180	FR180	Mineral Wool	660a/06
SPA S	175 - 230	7.5	H	240/240	FR240	Mineral Wool	660a/06
SPA S ENERGY	150	7.5	V or H	30/30	FR30	Mineral Wool	660a/11
SPA S ENERGY	150	7.5	V or H	60/60	FR60	Mineral Wool	660a/11
SPA S ENERGY	150	7.5	V or H	90/90	FR90	Mineral Wool	660a/11
SPA S ENERGY	150	7.5	V or H	120/120	FR120	Mineral Wool	660a/11
SPA S ENERGY	150	7.5	H	180/180	FR180	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	V or H	30/30	FR30	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	V or H	60/60	FR60	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	V or H	90/90	FR90	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	V or H	120/120	FR120	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	V or H	180/180	FR180	Mineral Wool	660a/11
SPA S ENERGY	175-230	7.5	H	240/240	FR240	Mineral Wool	660a/11
SPA E LIFE	150-230	7.5	H	30/30	FR30	Glass Wool	660a/08
SPA E LIFE	150-230	7.5	H	60/60	FR60	Glass Wool	660a/08
SPA E LIFE ENERGY	150-230	7.5	H	30/30	FR30	Glass Wool	660a/09
SPA E LIFE ENERGY	150-230	7.5	H	60/60	FR60	Glass Wool	660a/09

Notes: 1. Wall panel orientation, Horizontal or Vertical (H/V), relates to the long joint orientation.

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Certificate No: 1052b to LPS 1208

Sandwich panels

Product Name	Specification Thickness (mm)	Max Unsupported Span (m)	Wall panel orientation (H/V) (note 1)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
SP2D W (wall panel)	100 - 220	4.0	H	68/67	FR60	Mineral wool	1052b/01
SP2D WE (wall panel)	100 - 220	7.5	V	30/15	FR15	Mineral wool	1052b/02
SP2D WE (wall panel)	100 - 220	7.5	V	30/30	FR30	Mineral wool	1052b/02
SP2D WE (wall panel)	100 - 220	4.0	V	60/60	FR60	Mineral wool	1052b/02

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LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

SP2D WE (wall panel)	100 - 220	4.0	V	90/90	FR90	Mineral wool	1052b/02
SP2D WE (wall panel)	100 - 220	4.0	V	120/120	FR120	Mineral wool	1052b/02
SPB W (wall panel)	100 - 220	7.5	H	30/15	FR15	Mineral wool	1052b/03
SPB W (wall panel)	100 - 220	7.5	H	30/30	FR30	Mineral wool	1052b/03
SPB W (wall panel)	100 - 220	7.5	H	60/60	FR60	Mineral wool	1052b/03
SPB W (wall panel)	100 - 220	7.5	H	90/90	FR90	Mineral wool	1052b/03
SPB W (wall panel)	100 - 220	7.5	H	120/120	FR120	Mineral wool	1052b/03
SPB W (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/03
SPB W (wall panel)	160 - 220	7.5	H	180/180	FR180	Mineral wool	1052b/03
SPB W (wall panel)	180 - 220	7.5	H	240/240	FR240	Mineral wool	1052b/03
SPB WB (wall panel)	100 - 220	7.5	H	30/15	FR15	Mineral wool	1052b/04
SPB WB (wall panel)	100 - 220	7.5	H	30/15	FR30	Mineral wool	1052b/04
SPB WB (wall panel)	100 - 220	7.5	H	60/60	FR60	Mineral wool	1052b/04
SPB WB (wall panel)	100 - 220	7.5	H	90/90	FR90	Mineral wool	1052b/04
SPB WB (wall panel)	100 - 220	7.5	H	120/120	FR120	Mineral wool	1052b/04
SPB WB (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/04
SPB WB (wall panel)	160 - 220	7.5	H	180/180	FR180	Mineral wool	1052b/04
SPB WB (wall panel)	180 - 220	7.5	H	240/240	FR240	Mineral wool	1052b/04
SPB WI (wall panel)	100 - 140	7.5	H	30/15	FR15	Mineral wool	1052b/05
SPB WI (wall panel)	100 - 140	7.5	H	30/30	FR30	Mineral wool	1052b/05
SPB WI (wall panel)	100 - 140	7.5	H	60/60	FR60	Mineral wool	1052b/05
SPB WI (wall panel)	100 - 140	7.5	H	90/90	FR90	Mineral wool	1052b/05
SPB WI (wall panel)	100 - 140	7.5	H	120/120	FR120	Mineral wool	1052b/05
SPB WI (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/05
SPB WIB (wall panel)	100 - 140	7.5	H	30/15	FR15	Mineral wool	1052b/06
SPB WIB (wall panel)	100 - 140	7.5	H	30/30	FR30	Mineral wool	1052b/06
SPB WIB (wall panel)	100 - 140	7.5	H	60/60	FR60	Mineral wool	1052b/06
SPB WIB (wall panel)	100 - 140	7.5	H	90/90	FR90	Mineral wool	1052b/06
SPB WIB (wall panel)	100 - 140	7.5	H	120/120	FR120	Mineral wool	1052b/06
SPB WIB (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/06
SPB WE (wall panel)	100 - 220	7.5	H	30/30	FR30	Mineral wool	1052b/07
SPB WE (wall panel)	100 - 220	7.5	H/V	60/60	FR60	Mineral wool	1052b/07
SPB WE (wall panel)	100 - 220	7.5	H	90/90	FR90	Mineral wool	1052b/07
SPB WE (wall panel)	100 - 220	7.5	H	120/120	FR120	Mineral wool	1052b/07
SPB WE (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/07
SPB WEB (wall panel)	100 - 220	7.5	H	30/30	FR30	Mineral wool	1052b/08
SPB WEB (wall panel)	100 - 220	7.5	H	60/60	FR60	Mineral wool	1052b/08
SPB WEB (wall panel)	100 - 220	7.5	H	90/90	FR90	Mineral wool	1052b/08
SPB WEB (wall panel)	100 - 220	7.5	H	120/120	FR120	Mineral wool	1052b/08
SPB WEB (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/08

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

SPB WEI (wall panel)	100 - 140	7.5	H	30/30	FR30	Mineral wool	1052b/09
SPB WEI (wall panel)	100 - 140	7.5	H	60/60	FR60	Mineral wool	1052b/09
SPB WEI (wall panel)	100 - 140	7.5	H	90/90	FR90	Mineral wool	1052b/09
SPB WEI (wall panel)	100 - 140	7.5	H	120/120	FR120	Mineral wool	1052b/09
SPB WEI (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/09
SPB WEIB (wall panel)	100 - 140	7.5	H	30/30	FR30	Mineral wool	1052b/10
SPB WEIB (wall panel)	100 - 140	7.5	H	60/60	FR60	Mineral wool	1052b/10
SPB WEIB (wall panel)	100 - 140	7.5	H	90/90	FR90	Mineral wool	1052b/10
SPB WEIB (wall panel)	100 - 140	7.5	H	120/120	FR120	Mineral wool	1052b/10
SPB WEIB (wall panel)	120 - 220	7.4	H	180/180	FR180	Mineral wool	1052b/10

Certificate No: 1052b to LPS 1208

Sandwich panels

Product Name	Specification Thickness (mm)	Max Unsupported Span (m)	Load bearing capacity under test conditions (kN/m²)	Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
SPC W (roof panel)	140/100 240/200	2.0	0.31	182/70	FR60	Mineral wool	1052b/11

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Certificate No: 957a to LPS 1208: Issue 2

Isowall (wall panels)

Product Name	Thickness (mm)	Maximum unsupported span (m) Unsupported span (m)	Wall panel orientation (h/V) (note 1)	Fire Resistance Integrity/Insulation (min) (min) integrity/insulation Span (m)	Grade	Core Material	LPCB Ref. No.
Isowall (wall panel)	100	7.5	V	30 / 30	FR30	Mineral Wool	957a/01
Isowall (wall panel)	100	7.5	V	60 / 60	FR60	Mineral Wool	957a/01
Isowall (wall panel)	100	4.0	V	90 / 90	FR90	Mineral Wool	957a/01
Isowall (wall panel)	125	7.5	V	30 / 30	FR30	Mineral Wool	957a/01
Isowall (wall panel)	125	7.5	V	60 / 60	FR60	Mineral Wool	957a/01
Isowall (wall panel)	125	4.0	V	90 / 90	FR90	Mineral Wool	957a/01
Isowall (wall panel)	150	7.5	V	30 / 30	FR30	Mineral Wool	957a/01
Isowall (wall panel)	150	7.5	V	60 / 60	FR60	Mineral Wool	957a/01
Isowall (wall panel)	150	7.5	V	90 / 90	FR90	Mineral Wool	957a/01
Isowall (wall panel)	150	7.5	V	120 / 120	FR120	Mineral Wool	957a/01
Isowall (wall panel)	150	3.0	V	265 / 208	FR180	Mineral Wool	957a/01

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LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Certificate No: 650a to LPS 1208: Issue 2

Product Name	Specification Thickness (mm)	Maximum Unsupported Span (m) 90kg g/m3	Maximum Unsupported Span (m) 100kg g/m3	Maximum Unsupported Span (m) 120kg g/m3	Wall Panel Orientation (H/V) (Note 1 on Certificate)	Fire Resistance (Min Integrity / Insulation)	Grade	Core Material	LPCB Ref. No.
FTV Wall Panel	80	-	2.80	2.80	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	80	-	2.80	2.80	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	100	-	2.80	10.05	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	100	-	2.80	10.05	H	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	100	-	2.80	8.50	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	100	-	-	6.55	V	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	10.05	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	10.05	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	12.00	H	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	12.00	H	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	8.50	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	8.50	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	12.00	H	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	12.00	H	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	120	7.10	7.10	10.75	H	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	133	7.10	7.10	10.75	H	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	120	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	133	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	120	4.00	4.00	8.95	H	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	133	4.00	4.00	8.95	H	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	120	4.00	4.00	4.00	V	180 / 180	FR180	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	10.05	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	8.50	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	150	4.00	4.00	4.00	V	180 / 180	FR180	Mineral wool	650a/01
FTV Wall Panel	200	7.50	7.50	12.00	V	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	200	7.50	7.50	12.00	V	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	200	7.50	7.50	10.75	V	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	200	7.50	7.50	8.95	V	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	200	4.00	4.00	4.15	V	180 / 180	FR180	Mineral wool	650a/01
FTV Wall Panel	200	-	-	4.00	V	240 / 240	FR240	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	12.00	H	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	150	7.50	7.50	12.00	H	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	150	7.10	7.10	10.75	H	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	150	4.00	4.00	8.95	H	120 / 120	FR120	Mineral wool	650a/01

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Panel								wool	
FTV Wall Panel	200	7.50	7.50	12.00	H	30 / 30	FR30	Mineral wool	650a/01
FTV Wall Panel	200	7.50	7.50	12.00	H	60 / 60	FR60	Mineral wool	650a/01
FTV Wall Panel	200	7.10	7.10	10.75	H	90 / 90	FR90	Mineral wool	650a/01
FTV Wall Panel	200	4.00	4.00	8.95	H	120 / 120	FR120	Mineral wool	650a/01
FTV Wall Panel	200	-	-	4.15	H	180 / 180	FR180	Mineral wool	650a/01
FTV Wall Panel	200	-	-	4.00	H	240 / 240	FR240	Mineral wool	650a/01
FTV-H Wall Panel	100	-	-	7.50	V	30 / 30	FR30	Mineral wool	650a/02
FTV-H Wall Panel	100	-	-	4.75	V	60 / 60	FR60	Mineral wool	650a/02
FTV-H Wall Panel	100	-	-	4.00	V	90 / 90	FR90	Mineral wool	650a/02
FTV-H Wall Panel	120	-	-	7.50	V	30 / 30	FR30	Mineral wool	650a/02
FTV-H Wall Panel	120	-	-	4.75	V	60 / 60	FR60	Mineral wool	650a/02
FTV-H Wall Panel	120	-	-	4.00	V	90 / 90	FR90	Mineral wool	650a/02
FTV-H Wall Panel	150	-	-	7.50	V	30 / 30	FR30	Mineral wool	650a/02
FTV-H Wall Panel	150	-	-	7.50	V	60 / 60	FR60	Mineral wool	650a/02
FTV-HL Wall Panel	120	7.50	7.50	7.50	V	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	120	7.50	7.50	7.50	V	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	120	7.40	7.40	7.40	V	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	120	6.60	6.60	6.60	V	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	150	7.50	7.50	7.50	V	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	150	7.50	7.50	7.50	V	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	150	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	150	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	150	7.50	7.50	7.50	V	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	172	7.50	7.50	7.50	V	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	172	7.50	7.50	7.50	V	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	172	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	172	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	172	7.50	7.50	7.50	V	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	200	7.50	7.50	7.50	V	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	200	7.50	7.50	7.50	V	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	200	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	200	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	200	7.50	7.50	7.50	V	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	240	7.50	7.50	7.50	V	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	240	7.50	7.50	7.50	V	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	240	7.50	7.50	7.50	V	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	240	7.50	7.50	7.50	V	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	240	7.50	7.50	7.50	V	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	100	-	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	100	-	7.20	7.20	H	60 / 60	FR60	Mineral wool	650a/04

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

FTV-HL Wall Panel	100	-	4.80	4.80	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	100	-	4.00	4.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	120	3.00	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	120	3.00	7.20	7.20	H	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	120	3.00	4.80	4.80	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	120	3.00	4.00	4.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	6.00	6.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	4.00	4.00	H	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	150	3.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	6.00	6.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	4.00	4.00	H	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	172	3.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	6.00	6.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	4.00	4.00	H	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	200	3.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	6.00	6.00	H	120 / 120	FR120	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	4.00	4.00	H	180 / 180	FR180	Mineral wool	650a/04
FTV-HL Wall Panel	240	3.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/04
Qbiss One Panels Systems	100	-	-	7.50	H	30 / 30	FR30	Mineral wool	650a/05
Qbiss One Panels Systems	100	-	-	4.00	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	120	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/05
Qbiss One Panels Systems	120	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	120	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/05
Qbiss One Panels Systems	120	4.00	4.00	4.00	H	120 / 120	FR120	Mineral wool	650a/05
Qbiss One Panels Systems	150	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/05

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

Qbiss One Panels Systems	150	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	150	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/05
Qbiss One Panels Systems	150	4.00	4.00	4.00	H	120 / 120	FR120	Mineral wool	650a/05
Qbiss One Panels Systems	172	7.50	7.50	10.00	H	30 / 30	FR30	Mineral wool	650a/05
Qbiss One Panels Systems	172	7.50	7.50	10.00	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	172	7.50	7.50	10.00	H	90 / 90	FR90	Mineral wool	650a/05
Qbiss One Panels Systems	172	4.00	4.00	6.50	H	120 / 120	FR120	Mineral wool	650a/05
Qbiss One Panels Systems	200	7.50	7.50	10.00	H	30 / 30	FR30	Mineral wool	650a/05
Qbiss One Panels Systems	200	7.50	7.50	10.00	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	200	7.50	7.50	10.00	H	90 / 90	FR90	Mineral wool	650a/05
Qbiss One Panels Systems	200	4.00	4.00	6.50	H	120 / 120	FR120	Mineral wool	650a/05
Qbiss One Panels Systems	240	7.50	7.50	10.00	H	30 / 30	FR30	Mineral wool	650a/05
Qbiss One Panels Systems	240	7.50	7.50	10.00	H	60 / 60	FR60	Mineral wool	650a/05
Qbiss One Panels Systems	240	7.50	7.50	10.00	H	90 / 90	FR90	Mineral wool	650a/05
Qbiss One Panels Systems	240	4.00	4.00	6.50	H	120 / 120	FR120	Mineral wool	650a/05
SNV (Wall Panel)	100	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/07
SNV (Wall Panel)	100	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	120 / 120	FR120	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	180 / 180	FR180	Mineral wool	650a/07
SNV (Wall Panel)	120	4.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	120 / 120	FR120	Mineral wool	650a/07
SNV (Wall Panel)	120	7.50	7.50	7.50	H	180 / 180	FR180	Mineral wool	650a/07
SNV (Wall Panel)	120	4.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/07
SNV (Wall Panel)	150	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/07
SNV (Wall Panel)	150	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/07
SNV (Wall Panel)	150	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/07
SNV (Wall Panel)	150	7.50	7.50	7.50	H	120 / 120	FR120	Mineral wool	650a/07
SNV (Wall Panel)	150	7.50	7.50	7.50	H	180 / 180	FR180	Mineral wool	650a/07
SNV (Wall Panel)	150	4.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650a/07
SNV (Wall Panel)	200	7.50	7.50	7.50	H	30 / 30	FR30	Mineral wool	650a/07

LPS 1208 COMPOSITE CONSTRUCTION ELEMENTS

SNV (Wall Panel)	200	7.50	7.50	7.50	H	60 / 60	FR60	Mineral wool	650a/07
SNV (Wall Panel)	200	7.50	7.50	7.50	H	90 / 90	FR90	Mineral wool	650a/07
SNV (Wall Panel)	200	7.50	7.50	7.50	H	120 / 120	FR120	Mineral wool	650a/07
SNV (Wall Panel)	200	7.50	7.50	7.50	H	180 / 180	FR180	Mineral wool	650a/07
SNV (Wall Panel)	200	4.00	4.00	4.00	H	240 / 240	FR240	Mineral wool	650/07
FTV (Ceiling Panel)	100	-	7.50	7.50	-	30 / 30	FR30	Mineral wool	650a/06
FTV (Ceiling Panel)	100	-	5.15	5.15	-	60 / 60	FR60	Mineral wool	650a/06
FTV (Ceiling Panel)	100	-	4.35	4.35	-	90 / 90	FR90	Mineral wool	650a/06
FTV (Ceiling Panel)	100	-	4.20	4.20	-	120 / 120	FR120	Mineral wool	650a/06
FTV (Ceiling Panel)	120	-	7.50	7.50	-	30 / 30	FR30	Mineral wool	650a/06
FTV (Ceiling Panel)	120	-	5.15	7.15	-	60 / 60	FR60	Mineral wool	650a/06
FTV (Ceiling Panel)	120	-	4.35	5.45	-	90 / 90	FR90	Mineral wool	650a/06
FTV (Ceiling Panel)	120	-	4.20	4.20	-	120 / 120	FR120	Mineral wool	650a/06

Certificate No: 650a to LPS 1208: Issue 2

Product Name	Specification Thickness (m)	Max Unsupported Span (m)	Load Bearing Capacity Under Test Conditions (kN/m ²)	Fire Resistance (Min Integrity / Insulation)	Grade	Core Material	LPCB Ref. No.
SNV (Roof Panel)	100 - 120	2.24	1.1	120 / 120	FR120	Mineral Wool	650a/03
SNV (Roof Panel)	120	3.29	0.5	120 / 120	FR120	Mineral Wool	650a/03
SNV (Roof Panel)	150 - 200	3.29	0.5	180 / 180	FR180	Mineral Wool	650a/03

LPS 1215 SCAFFOLD CLADDING MATERIALS

Scaffold cladding materials such as sheeting and netting are often used externally during construction, refurbishment or demolition of buildings to provide protection. Historically, there have been a number of significant losses associated with fires involving scaffolding. Scaffold cladding materials should not add to the fire risk if they comply with LPS 1215 *Requirements for the LPCB approval and listing of scaffold cladding materials*. This standard is referred to in *The Joint Code of Practice on the Protection from Fire of Construction Sites & Buildings Undergoing Renovation, 8th Edition* published by the FPA in association with RISC Authority

Note: LPS 1215:Issue 3 does not cover other features required of scaffold materials, such as resistance to wind, rain penetration, resistance to tearing or impact damage.

Beacon Group International Limited trading as Leach's

Beacon Park, 226-228 Holme Lacy Road, Hereford, HR2 6BQ, United Kingdom

Tel: +44 0 1432 817 648

E-mail: Russell@leachs.com

Certificate No: 1502a to LPS 1215 Issue 4.0

BIG BEN Superclad Standard and Premium Flame Retardant

Product Name	Nominal Thickness (mm) (Certificate Note 1)	Weight g/m ²	Base Material Colour	Assessed for Additional Print (Logos, Advertising etc) (Certificate Note 2)	LPCB Ref. No.
BIG BEN Superclad Standard Flame Retardant	0.4	180 ± 5%	Translucent	Yes all colours	1502a/01
BIG BEN Superclad Premium Flame Retardant	0.63	240 ± 5%	Translucent	Yes all colours	1502a/02

BMI Group UK Limited

BMI House, 2 Pitfield, Kiln Farm, Milton Keynes, Buckinghamshire, MK11 3LW, United Kingdom

Tel: +44 (0)330 123 4585

E-mail: technical.uk@bmigroup.com • Website: bmigroup.com/uk

Certificate No: 572d to LPS 1215 Issue 4

Monarflex Monarsound Flamesafe

Product Name	Thickness (mm)	Fabric Net Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Monarflex Monarsound Flamesafe	9.5 ±5%	558 -5%/+10%	Opal White	No	572d/08

Solicom SA

Rue de Drinklange 9, Troisvierges, L-9911, Luxembourg

Tel: +352 26957256

E-mail: info@solicom-verisafe.com • Website: www.solicom-verisafe.com

Certificate No: 789b to LPS 1215 Issue 4

Product Name	Thickness (mm)	Weight g/m ²	Base Material Colour	Assessed Additional Print (Logos, Advertising etc) (Certificate Note 1)	LPCB Ref. No.
Verisafe 320	0.32 ± 5%	320 ± 5%	White	No	789b/01
Verisafe B1 280	0.28 +5/-10%	280 +5/-7%	White	No	789b/03
Verisafe-FR "S"	0.18 ± 5%	180 ± 5%	White	No	789b/04

LPS 1500 APPROVED INSTALLER OF FIRE RESISTING COMPARTMENTATION SYSTEM

The companies listed in this section are approved installers of fire resisting compartmentation systems approved by LPCB to LPS 1208.

LPS 1208 Approved products for use in the following elements of construction may be installed under this scheme.

- Loadbearing compartment walls and partitions
- Non-load bearing compartment walls and partitions
- External walls
- Curtain walls
- Cavity barriers
- Roofs where fire resistance is required (loadbearing and non-loadbearing)
- Loadbearing compartment floors
- Insulated panels used for enclosing production and storage areas in food factories.

ACT Construction (Europe) Limited

122-124 Strathmore Road, Balmore Industrial Estate, Glasgow, G22 7DW, United Kingdom

Tel: 0141 959 9200

E-mail: ken@act-construction.co.uk • Website: www.act-construction.co.uk

Certificate No: 1237PIa to LPS 1500: Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

Boreas Contracts Ltd

Wilton Road, Humberston, Cleethorpes, DN36 4AW, United Kingdom

Tel: 01472 810057

E-mail: neil@boreascontracts.com

Certificate No: 1764PI to LPS 1500 Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

Cold Clad Limited

Sarnia House, Green Lane, Newtown Trading Estate, Tewkesbury, Gloucestershire, GL20 8HD, United Kingdom

Tel: 01684 438190

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

Certificate No: 1169PIb to LPS 1500: Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

Composite Panel Services Limited

Unit 3, Pennington Street, Hull, East Yorks, HU8 7LE, United Kingdom

Tel: 01482 620277

E-mail: andrewmiller@cps-hull.co.uk • Website: www.cps-hull.co.uk

Certificate No: 1170PIb to LPS 1500 Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

FK Construction Ltd

Keenan House, 22-26 Stockport Road, Altrincham, WA15 8EX, United Kingdom

Tel: 01619261350

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

LPS 1500 APPROVED INSTALLER OF FIRE RESISTING COMPARTMENTATION SYSTEM

Certificate No: 1666PI to LPS 1500 Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

G & A Fire Protection Ltd

Unit 2, Valley Way, Market Harborough, LE16 7PS, United Kingdom

Tel: +44 (0) 1858 432222

E-mail: info@ga-group.com • Website: www.ga-group.com

Certificate No: 889PIb to LPS 1500: Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

HIL Installations Limited

Unit 10 Coopers Point, Coopers Lane, Knowsley, L33 7UB, United Kingdom

Tel: 0151 546 2111

E-mail: sales@hil-installations.com

Certificate No: 1575PI to LPS 1500 Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

P&M Group Ltd trading as ISD

Unit A, 125 Business Park, Llanthony Road, Gloucester, Glos, GL2 5JQ, United Kingdom

Tel: +44 (0) 1452 520649

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

Certificate No: 1008PIa to LPS 1500 Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208.

Stancold plc

Portview Road, Avonmouth, Bristol, BS11 9LQ, United Kingdom

Tel: +44 (0)117 316 7000

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

Certificate No: 1257PI to LPS 1500: Issue 2

Company assessed and approved for installation of fire resisting compartmentation systems approved by LPCB to LPS 1208

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

The companies listed in this section are approved to install passive fire protection products for the Appendix areas indicated in their entry.

Appendix areas:

1. Penetration, cavity barrier and linear gap seals
2. Fire rated board and cladding to structural elements
3. Intumescent coatings to structural elements
4. Fire rated spray materials
5. Fire rated ductwork systems
6. Fire resisting dampers
7. Fire resistant compartment wall systems

1 Fire Protection Ltd

128 City Road, London, EC1V 2NX, United Kingdom

Tel: 07933008997

E-mail: info@1fireprotection.co.uk • Website: www.1fireprotection.co.uk

Certificate No: 1656PI to 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

123 Fire (a division of MB Plant Limited)

Swift House Business Centre, 16 High Street, Staveley, Derbyshire, S43 3UX, United Kingdom

Tel: 0114 360 3213

E-mail: andrewbell@123fire.co.uk • Website: www.123fire.co.uk

Certificate No: 1133PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

A2O Limited

The Old Barn, Pump House Farm, Ongar Road, Kelvedon Hatch, Essex, CM15 0LA, United Kingdom

Tel: 01277369555

E-mail: Martin.Coupe@a2ogroup.co.uk • Website: www.a2ocladding.co.uk

Certificate No: 1520PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

- Appendix 2 - Fire rated board and cladding to structural elements

Abbey Thermal Insulation Ltd

Unit 14 Capricorn Centre, Cranes farm Road, Basildon, Essex, SS14 3JJ, United Kingdom

Tel: +44 (0) 1268 572116

E-mail: robert.stubbs@abbeythermal.com

Certificate No: 1014PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barrier and linear gap seals.

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Appendix 2 - Fire rated board and cladding to structural elements.

Appendix 3 - Intumescent coatings to structural elements.

Absolute Fire Safety Ltd

Colmworth Business Park, 4 Eaton Ct, Saint Neots, PE19 8ER, United Kingdom

Tel: 07500 598 527

E-mail: simon@absolutefiresafety.co.uk • Website: www.absolutefiresafety.co.uk

Certificate No: 1594PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

AC Ventilation Solutions Ltd

Unit 5 Ringside Business Park, Heol-y-Rhosog, Cardiff, CF3 2EW, United Kingdom

Tel: 02920 028 032

E-mail: steve@acvsltd.co.uk

Certificate No: 1625PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 6 - Fire resisting dampers

- Appendix 5 - Fire rated ductwork systems

Adaptive Fire Protection Limited

136 Boden Street, Glasgow, G40 3PX, United Kingdom

Tel: 0141 556 7720

E-mail: steven.elliott@adaptivefpltd.com

Certificate No: 1316PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

AFA (NI) Ltd

Unit 13 McKibbin House, East Bank Road, Carryduff, Belfast, BT8 8BD, United Kingdom

Tel: 08290 815090

E-mail: Firestopped@aol.com

Certificate No: 1487PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

- Appendix 3 - Intumescent coatings to structural elements

AIRFAB (Manufacturing) Ltd

10 Mount Road, Feltham, Middlesex, TW13 6AR, United Kingdom

Tel: 020 8755 1375

E-mail: info@airfab.co.uk

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Certificate No: 1672PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

Aran Fire Protection Ltd

Units 1-6, The Old Station, Higham, Bury St Edmunds, Suffolk, IP28 6NE, United Kingdom

Tel: 01284 812577

E-mail: Chris.McCarthy@aranfireprotection.co.uk • Website: www.aranfireprotection.co.uk

Certificate No: 1643PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 2 - Fire rated board and cladding to structural elements
 - Appendix 3 - Intumescent coatings to structural elements
-

ASM Engineering Ltd

74 Wilbury Way, Hitchin, Hertfordshire, SG4 0TP, United Kingdom

Tel: 01462 477360

E-mail: office@asmeng.co.uk • Website: www.asmeng.co.uk

Certificate No: 1546PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

Atmospheres Ventilation Services Ltd

67 Marguerite Way, Bishops Stortford, Herts, CM23 4NE, United Kingdom

Tel: 01279 501719

E-mail: paul.atmospheresvent@outlook.co.uk • Website: www.atmosvent.co.uk

Certificate No: 1760PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 6 - Fire resisting dampers
-

Avert Fire (UK) Ltd

Dawes lane, Scunthorpe, North Lincolnshire, DN16 1DW, United Kingdom

Tel: +44 (0)1724 853712

E-mail: admin@avertfire.co.uk • Website: www.avertfire.co.uk

Certificate No: 850PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

- Appendix 1 - Penetration, cavity barriers and linear gap seals.
 - Appendix 2 - Fire rated board and cladding to structural elements
 - Appendix 7 - Fire resistant compartment wall systems
-

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Bellwood Interiors Limited

Bellwood House, No 17 - Barton Industrial Estate, Faldo Road, Barton-Le-Clay, Bedfordshire, MK45 4RP, United Kingdom

Tel: 01582 882278

E-mail: sales@bellwoodinteriors.com • Website: bellwoodinteriors.com

Certificate No: 1425PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals
- Appendix 2 - Fire rated board and cladding to structural elements
- Appendix 7 - Fire resistant compartment wall systems

Borley Engineering Services Ltd t/a CMB Engineering

1 Alexandra Gate, Ffordd Pengam, Cardiff, CF24 2SA, United Kingdom

Tel: 02920 360 434

E-mail: dwilliams@cmbeng.co.uk • Website: www.cmbengineering.co.uk

Certificate No: 1647PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
- Appendix 6 - Fire resisting dampers

C&S Facilities Management T/A C&S Group

351 Main Street, Blantyre, Scotland, G72 0DJ, United Kingdom

Tel: 0844 3351466

E-mail: kevincunning@c-s.org.uk • Website: www.c-s.org.uk

Certificate No: 1723PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

Castle Hill Fire Protection Limited

Riverside House, 160 High Street, Huntingdon, Cambridgeshire, PE29 3TF, United Kingdom

Tel: 01480 759525

E-mail: andy.stubbs@chfire.co.uk • Website: www.castlehillfireprotection.co.uk

Certificate No: 1274PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
- Appendix 2 - Fire rated board and cladding to structural elements
- Appendix 3 - Intumescent coatings to structural elements

Checkmate Fire Solutions Ltd

Cambridge House, Cambridge Road, Harlow, Essex, CM20 2EQ, United Kingdom

Tel: +44 (0) 1279 850021

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

Certificate No: 860PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

Appendix 7 - Fire resistant compartment wall systems

Checkmate Fire Solutions Ltd

2nd Floor, Rosemount House, Rosemount Estate, Huddersfield Road, Elland, West Yorkshire, HX5 0EE, United Kingdom

Tel: +44 (0) 1422 376436

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

Certificate No: 860PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
- Appendix 2 - Fire rated board and cladding to structural elements
- Appendix 3 - Intumescent coatings to structural elements
- Appendix 7 - Fire resistant compartment wall systems

Clear Line Maintenance Ltd

Rawson Spring Way, Sheffield, S6 1PG, United Kingdom

Tel: 01142 315444

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

Certificate No: 1446PI to LPS 1531 Issue 1

Appendix 1 - Penetration, cavity barrier and linear gap seals

Cold Clad Limited

Samia House, Green Lane, Newtown Trading Estate, Tewkesbury, Gloucestershire, GL20 8HD, United Kingdom

Tel: 01684 438190

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

Certificate No: 1169PIa to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
- Appendix 3 - Intumescent coatings to structural elements
- Appendix 7 - Fire resistant compartment wall systems

Composite Panel Services Limited

Unit 3, Pennington Street, Hull, East Yorks, HU8 7LE, United Kingdom

Tel: 01482 620277

E-mail: andrewmiller@cps-hull.co.uk • Website: www.cps-hull.co.uk

Certificate No: 1170PIa to LPS 1531 Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

- Appendix 1 - Penetration, cavity barrier and linear gap seals
- Appendix 7 - Fire resistant compartment wall systems

Contego Fire and Acoustics Limited

Unit 63 Horndon Industrial Park West Horndon , Station Road, Horndon , Horndon , Essex, CM13 3XD, United Kingdom
Tel: 0330 016 2400
E-mail: Dan.dowling@contegofire.co.uk

Certificate No: 1799PI to LPS 1531

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals

Core Drilling Specialists Ltd

Core Drilling House, Unit 9, Inchcross Industrial Estate, Bathgate, EH48 2HR, United Kingdom
Tel: 01506 637840
E-mail: admin@coredrilling.co.uk • Website: www.coredrilling.co.uk

Certificate No: 1447PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 3 - Intumescent coatings to structural elements

Corecut Fire Protection (a division of Corecut Limited)

Bankhead, Broxburn, West Lothian, EH52 6PP, United Kingdom
Tel: +44 (0) 1506 854710
E-mail: office@corecut.co.uk • Website: www.corecut.co.uk

Certificate No: 1028PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals.

Appendix 3 - Intumescent coatings to structural elements.

CSL Associates Ltd

Unit 11 Sherwood Road, Aston Fields Industrial Estate, Bromsgrove, B60 3DR, United Kingdom
Tel: 01527 878 786
E-mail: Peter.twist@csl-associates.com

Certificate No: 1612PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

CVD Fire Protection Ltd

Lawmuir Road, Law, Carluke, South Lanarkshire, ML8 5JB, United Kingdom
Tel: +44 (0) 845 450 1601
E-mail: info@cvdfire.co.uk • Website: www.cvdfire.co.uk

Certificate No: 1009PI to LPS 1531 Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

DC Fire Protection Limited

21 , 22, 25 Enterprise Road , Raunds, Northants, NN9 6JE, United Kingdom

Tel: 01933633747

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

Certificate No: 1394PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals
 - Appendix 3 - Intumescent coatings to structural elements
-

Ductclean (UK) Limited

1 Woodfield Road, Welwyn Garden City, Hertfordshire, AL7 1JQ, United Kingdom

Tel: 0870 1129196

E-mail: jamie.carraher@dcukfm.com • Website: www.ductclean.co.uk

Certificate No: 1276PIb to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

E&S Heating & Ventilation Ltd

Diplocks Way, Hailsham, East Sussex, BN27 3JF, United Kingdom

Tel: +44 (0) 1323 845492

E-mail: emmacollins@esgroup.co.uk • Website: www.esgroup.co.uk

Certificate No: 1013PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 5 - Fire rated ductwork systems.

Flame Retain Ltd

1A The Yeates Centre, Dunboyne, Co Meath, Ireland

Tel: + 353 (1) 961 9380

E-mail: simon@flameretain.ie • Website: www.flameretain.ie

Certificate No: 1610PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
-

G & A Fire Protection Ltd

Unit 2, Valley Way, Market Harborough, LE16 7PS, United Kingdom

Tel: +44 (0) 1858 432222

E-mail: info@ga-group.com • Website: www.ga-group.com

Certificate No: 889PIa to LPS 1531: Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

G I Construction Solutions

45 Maes Glas, Whitchurch, Cardiff, SF14 1NX, United Kingdom

Tel: 07971 160512

E-mail: giconstructionsolutions@gmail.com

Certificate No: 1804PI to LPS 1531

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals

G P Quorenton (Ductwork) Limited

Unit 3 Barton Industrial Estate, Faldo Road, Barton Le Clay, Bedfordshire, MK45 4RP, United Kingdom

Tel: 01852 882 561

E-mail: graham@gpquoductwork.co.uk • Website: www.gpquoductwork.co.uk

Certificate No: 1710PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems

- Appendix 6 - Fire resisting dampers

Gardner & Co (Kent) Ltd

1 - 5 Bermondsey Street, London, SE1 2ER, United Kingdom

Tel: 020 7403 5894

E-mail: enquiries@gardnerco.net • Website: www.gardnerco.net

Certificate No: 1040PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 5 - Fire rated ductwork systems.

Gardner FRD Ltd

1-5 Bermondsey Street, London, SE1 2ER, United Kingdom

Tel: 0207 403 5894

E-mail: mark.duguid@gardnerco.net

Certificate No: 1473PI to LPS 1531 : Issue 1

Appendix 5 - Fire rated duct systems

GBS Fire Protection Limited

Unit 16 Manor Way Business Centre, Marsh Way, London, Essex, RM138UG, United Kingdom

Tel: 01708 554421

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

Certificate No: 1437PI to LPS 1531 - Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

Appendix 4 - Fire rated spray materials

Geoffrey Robinson Limited

Macklin Avenue, Cowpen Industrial Estate, Billingham, TS23 4ET, United Kingdom

Tel: 01642370500

E-mail: enquiry@geoffreyrobinson.co.uk • Website: www.geoffreyrobinson.co.uk

Certificate No: 1556PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

GSH (South West Consultancy) Ltd

Unit 17 Bridgwater Court, Oldmixon Crescent, Weston Super Mare, BS24 9AY, United Kingdom

Tel: 0333 456 4646

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

Certificate No: 1561PIa to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

- Appendix 7 - Fire resistant compartment wall systems

Gunfire Ltd

11 Compass Point, St Ives, Cambridgeshire, PE27 5JL, United Kingdom

Tel: +44 (0)1480 466880

E-mail: christine.morris@gunfire.org.uk • Website: www.gunfirefp.co.uk

Certificate No: 848PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals.

Appendix 3 - Intumescent coatings to structural elements.

Holemasters Fire Protections Ltd

114 Main Street, Chapelhall, Airdrie, Lanarkshire, ML6 8SB, United Kingdom

Tel: 0845 467 1500

E-mail: david@holemasters-scotland.co.uk • Website: www.holemasters-scotland.co.uk

Certificate No: 1314PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Hollmark Ltd

Unit 2 Falcon Park, Lucklyn Lane, Basildon, Essex, SS14 3AL, United Kingdom

Tel: 01277 626101

E-mail: Kate@hollmark.co.uk • Website: www.hollmark.co.uk

Certificate No: 1535PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

Imperial Ductwork Services Ltd

Sargasso , Five Arches Business Estate , Maidstone , Sidcup, Kent, DA15 5AE, United Kingdom

Tel: 020 8309 6699

E-mail: john.smith@imperialductwork.co.uk • Website: www.imperialductwork.co.uk

Certificate No: 1654PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

J W Murray Interiors

Unit C 25 Finlas Steet, Glasgow, Scotland, G22 5DU, United Kingdom

Tel: 07792 340908

E-mail: info@jwmurrayinteriors.co.uk

Certificate No: 1801PI to LPS 1531

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals
-

Jodam Construction Ltd

Unit 11 Building 2 Innovation Way, Wilthorpe, Barnsley, S75 1JL, United Kingdom

Tel: 01226 652066 / 07565205273 / 07500113329

E-mail: Adamw.jodam@gmail.com / Joe.jodam@gmail.com • Website: jodamconstruction.co.uk

Certificate No: 1679PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 2 - Fire rated board and cladding to structural elements
 - Appendix 7 - Fire resistant compartment wall systems
-

JPM Fire Protection Limited

12 Bull Lane, Dagenham, Essex, RM10 7HA, United Kingdom

Tel: 020 8595 1166

E-mail: Elicia.martinjpmfireproltd@aol.co.uk

Certificate No: 1190PI to LPS 1531 Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals
- Appendix 2 - Fire rated board and cladding to structural elements
- Appendix 3 - Intumescent coatings to structural elements

JTL Fire Limited

Unit 11 LDL Business Park, Station Road West, Ash Vale, Surrey, GU12 5RT, United Kingdom

Tel: 01252 545741

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

Certificate No: 1416PI to LPS 1531: Issue 1

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 3 - Intumescent coatings to structural elements

L and M Ventilation Ltd

Unit 2 Darren Drive, Prince if Wales Estate, Abercarn, Newport, Gwent, NP11 5AR, United Kingdom

Tel: 01495 237713

E-mail: iangulliford@landmvent.co.uk

Certificate No: 1653PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 6 - Fire resisting dampers

LE-Partitions Limited

43 Shepherds Walk, Cricklewood, London, NW2 7BS, United Kingdom

Tel: 07957 637986

E-mail: mreece@le-partitions.com

Certificate No: 1197PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 7 - Fire resistant compartment wall systems

Lynco/Lynco Facades Ltd

Unit 2, Plasketts Close, Killybeggs Business Park, Antrim, N. Ireland, BT41 4LY, United Kingdom

Tel: 0289 4477800

E-mail: info@lynco ltd.com • Website: www.lynco ltd.com

Certificate No: 1317PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Map Ventilation Limited

Hanwiz House, Milner Way, Ossett, Wakefield, WF5 9JG, United Kingdom

Tel: 01924 278175

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

Certificate No: 1065PI to LPS 1531 Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 5 - Fire rated ductwork systems

Appendix 6 - Fire resisting dampers

Mark Smith Drylining Ltd

40 Beach Road, Sand Bay, Weston Super Mare, North Somerset, BS22 9UU, United Kingdom

Tel: 07885 580847

E-mail: marksmith462@btinternet.com

Certificate No: 1669PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

McCulloughs Ltd

Unit 5D Victoria Way, Newmarket, Suffolk, CB8 7SH, United Kingdom

Tel: 01638666489

E-mail: antonia@mcculloughs.co.uk • Website: www.mcculloughs.co.uk

Certificate No: 1687PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendices :

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

Middlesex Firestopping Limited

Darwin House, Bourne End Business Park, Cores End Road, Bourne End, Buckinghamshire, SL8 5AS, United Kingdom

Tel: 01895 238818

E-mail: info@middlesexfirestoppingltd.co.uk • Website: www.middlesexltd.co.uk

Certificate No: 1344PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
- Appendix 3 - Intumescent coatings to structural elements
-

MTM Passive Fire Protection Ltd

103 Taunton Road, Bridgewater, Somerset, TA6 6BD, United Kingdom

Tel: 07402 521293 / 07505 207884

E-mail: Carol.kennedy@m-t-m.co

Certificate No: 1560PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 3 - Intumescent coatings to structural elements
-

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Nene Valley Fire and Acoustic Limited

Unit 11 Leyland Trading Estate, Irthlingborough, Northamptonshire, NN8 1RS, United Kingdom

Tel: +44 (0) 1933 650650

E-mail: enquiries@nenevalleyfire.com • Website: www.nenevalleyfireandacoustic.com

Certificate No: 1021PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barrier and linear gap seals.

Neo Property Solutions Limited

Neo Court, Knowsthorpe Lane, Cross Green Industrial Estate, Leeds, West Yorkshire, LS9 0PF, United Kingdom

Tel: 08434554455

Certificate No: 1539PIa to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

O'Mahony Contractors Ltd

60 Middle Road, Higher Denham, Buckinghamshire, UB9 5EQ, United Kingdom

Tel: 01895 833553

E-mail: gary@omahonycontractors.com • Website: www.omahonycontractors.com

Certificate No: 914PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 7 - Fire resistant compartment wall systems

P&H Services (South Wales) Ltd 'Trading As' Thermalvent (Wales & West)

Suite 14, Cedar Court, Havens Business Park, Milford Haven, Pembrokeshire, SA73 3LS, United Kingdom

Tel: 01646 699090

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

Certificate No: 1689PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems

- Appendix 6 - Fire resisting dampers

P&M Group Ltd trading as ISD

Unit A, 125 Business Park, Llanthony Road, Gloucester, Glos, GL2 5JQ, United Kingdom

Tel: +44 (0) 1452 520649

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

Certificate No: 1008PIb to LPS 1531 Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals.

Appendix 2 - Fire rated board and cladding to structural elements.

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Appendix 7 - Fire resistant compartment wall systems.

P&P Building and Roofing Contractors Ltd

Unit 12A, , Gilchrist Thomas Ind. Est. , Blaenavon , Pontypool , NP4 9RL , United Kingdom

Tel: 01495 792 278

E-mail: Info@pp-builders.co.uk • Website: www.pp-builders.co.uk/

Certificate No: 1789PI to LPS 1571

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals

Parker Environmental Services Ltd

Unit 11 Polo Grounds Ind Est, New Inn, Pontypool, Torfaen, NP4 0TW, United Kingdom

Tel: 01495 753 600

E-mail: darren@parkerenvironmental.co.uk • Website: www.parkerenvironmental.co.uk

Certificate No: 1721PI to Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems

- Appendix 6 - Fire resisting dampers

Passive Fire Group Ltd

20-22 Wenlock Road , London, N1 7GU, United Kingdom

Tel: 020 3432 3751

E-mail: warren@passivefiregroup.com • Website: www.passivefiregroup.com

Certificate No: 1637PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

PFP Fire Systems Ireland Limited

DO Centre, Block B, Maynooth Business Centre, Straffan Road, Maynooth, Co Kildare, W23 W5X7, Ireland

Tel: +353 (1) 541 3763

E-mail: cbarry@pfp-ireland.ie • Website: www.pfp-ireland.ie

Certificate No: 1407PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

- Appendix 2 - Fire rated board and cladding to structural elements

- Appendix 3 - Intumescent coatings to structural elements

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Phoenix Fabrications (SW) Ltd

Unit 5 Silverhills Buildings, Silverhills Road, Decoy Ind Estate, Newton Abbot, TQ12 5LZ, United Kingdom

Tel: 01626 366056

E-mail: dave.taylor@phoenixfabs.co.uk

Certificate No: 1697PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 6 - Fire resisting dampers
-

Planet Contracting Ltd

Radii Planet House, Edward Way, Burgees Hill, West Sussex, RH15 9TZ, United Kingdom

Tel: 01444 247933

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

Certificate No: 1717PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

Prestige Fire Door Services trading as Sunray Timber Doors Division

Unit 6 Wotton Trading Estate, Wotton Road, Ashford, Kent, TN23 6LL, United Kingdom

Tel: +44 (0)1252 645534

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

Certificate No: 1066PIa to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

Prospect Fire Ltd

Unit 1 Woodgate's Farm, Woodgate's End, Dunmow, CM6 2BN, United Kingdom

Tel: 01279 354988

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

Certificate No: 1631PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 2 - Fire rated board and cladding to structural elements
-

Qualifire Limited

Unit 3, 8 Bowerwalls Place, Barrhead, East Renfrewshire, G78 1BF, United Kingdom

Tel: 0141 286 7026

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

Certificate No: 1601PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

- Appendix 2 - Fire rated board and cladding to structural elements

R Lewis & Co. (UK) Ltd

Unit 7 Llandough Trading Estate, Cardiff, CF11 8RR, United Kingdom

Tel: +44 (0) 2920 215716

E-mail: craig.cleveland@rlewisfire.com • Website: www.rlewisandcoukltd.com

Certificate No: 1006Plc to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals.

Appendix 3 - Intumescent coatings to structural elements.

R&M Williams Ltd

Williams House, Westpoint Industrial Estate, Penarth Road, Cardiff, CF11 8JQ, United Kingdom

Tel: 0845 6347377

E-mail: owain.york@randmwilliams.co.uk • Website: www.randmwilliams.co.uk

Certificate No: 1724PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 3 - Intumescent coatings to structural elements

R1 Fire Pro Limited

Bakers Mill, Mill Tye, Great Cornard, Sudbury, Suffolk, CO10 2GW, United Kingdom

Tel: 01440 709050

E-mail: sales@r1fire.co.uk • Website: www.r1fire.co.uk

Certificate No: 1233PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

RA Fire Protection Limited

Flat 4 Tavern House, 69 Green Lane, Rawmarsh, Rotherham, S62 6JU, United Kingdom

Tel: 01709 830366

E-mail: john@rafireprotection.co.uk

Certificate No: 1382PI to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

Radii Partitioning Ltd

31 Harbour Exchange Square, Canary Wharf, London, E14 9GE, United Kingdom

Tel: 020 7952 4830

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

Certificate No: 1694Pla to LPS 1531 Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
 - Appendix 7 - Fire resistant compartment wall systems
-

Richard Kemble Contracts Limited

Unit 5, Waterside Business Park, Lamby Way, Rumney, Cardiff, CF3 2ET, United Kingdom

Tel: 029 20790372

E-mail: mathew@richardkemblecontracts.co.uk • Website: www.richardkemblecontracts.co.uk

Certificate No: 1615PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
-

Skafftec Ltd trading as RB Refurbishment

Unit 4 Abbey Trading Estate , Bell Green Lane, London , SE26 5TW, United Kingdom

Tel: 0208 6594039

E-mail: terry.white@rbdecorations.co.uk • Website: www.rbdecorators.co.uk

Certificate No: 1783PI to LPS 1531

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals
-

SMR Interiors Ltd

Unit 2 Thornfield, Cross Street, Rotherham, S66 2SA, United Kingdom

Tel: 07940 161 699

E-mail: lee.smith@smrinteriorsltd.com

Certificate No: 1634PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
-

Stancold plc

Portview Road, Avonmouth, Bristol, BS11 9LQ, United Kingdom

Tel: +44 (0)117 316 7000

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

Certificate No: 1257PIa to LPS 1531: Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals
-

Stopfire Ltd

Units 22, 23, 24 & 32 Dryden Road, Loanhead, Midlothian, EH20 9LZ, United Kingdom

Tel: +44(0)131 448 0555

E-mail: mail@stopfire.net • Website: www.stopfireltd.com

Certificate No: 862PI to LPS 1531: Issue 1

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals

Appendix 2 - Fire rated board and cladding to structural elements

Appendix 3 - Intumescent coatings to structural elements

Szerelmey Ltd

369 Kennington Lane, Vauxhall, London, SE11 5QY, United Kingdom

Tel: 020 7735 9995

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

Certificate No: 1800PI to LPS 1531

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendices :

- Appendix 1 - Penetration, cavity barriers and linear gap seals

T & D Glazing and Installation Limited

M25 Business Centre, 121 Brooker Road, Waltham Abbey, Essex, EN9 1JH, United Kingdom

Tel: 0208 418 7811

E-mail: daniel.timis@tndgi.co.uk • Website: www.tndgi.co.uk

Certificate No: 1748PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 1 - Penetration, cavity barrier and linear gap seals

Thermal Engineering Contracts Ltd

38 Whitehouse Street, Leeds, LS10 1AD, United Kingdom

Tel: +44(0) 1132 430254

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

Certificate No: 963PI to LPS 1531: Issue 1

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 1 - Penetration, cavity barriers and linear gap seals.

Appendix 2 - Fire rated board and cladding to structural elements.

Appendix 3 - Intumescent coatings to structural elements

Total Protection (Fire & Sealing) Solutions Ltd

The Coach House, West Hanningfield Road, Baddow Park, Chelmsford, Essex, CM2 7SY, United Kingdom

Tel: 01277 841415

E-mail: Ross@totalprotection.co.uk • Website: www.totalprotection.co.uk

Certificate No: 1375PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

Appendix 1 - Penetration, cavity barrier and linear gap seals

Appendix 3 - Intumescent coatings to structural elements

- Appendix 7 - Fire resistant compartment wall systems

LPS 1531 APPROVED INSTALLER OF PASSIVE FIRE PROTECTION PRODUCTS

Totus Engineering Ltd

Splatford Barton, Kennford, Exeter, EX6 7XY, United Kingdom
Tel: 01392 834 300
E-mail: enquiries@totus.co.uk • Website: www.totus.co.uk

Certificate No: 1686PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 6 - Fire resisting dampers
-

UK Vent Ltd

1A Main Street, West Wilts Trading Estate, Westbury, Wiltshire, BA13 4JU, United Kingdom
Tel: 01225 710 268
E-mail: info@ukvent.co.uk • Website: www.ukvent.co.uk

Certificate No: 1678PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

V & C Ventilation Ltd

Unit 24 Severnside Trading Estate, Sudmeadow Road, Hempstead, Gloucester, GL2 5HS, United Kingdom
Tel: 01452 415 236
E-mail: charlotte@vcventilationltd.co.uk

Certificate No: 1649PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
 - Appendix 6 - Fire resisting dampers
-

Whitehouse Engineering Co Ltd

14 Trench Road, Mallusk, Newtonabbey, Count Antrim, BT36 4UU, United Kingdom
Tel: 028 9084 8311
E-mail: stephen@whitehouse-eng.com • Website: www.whitehouse-eng.com

Certificate No: 1714PI to LPS 1531 Issue 1

Company assessed and approved for installing or applying passive fire protection products under the following scope:

- Appendix 5 - Fire rated ductwork systems
-

Yuanda (UK) Co Ltd

South Quay Building 10th Floor, 77 Marsh Wall, London, E14 9SH, United Kingdom
Tel: +44 (0)207 562 7703
E-mail: Dariusz.Ludwinski@yuanda-europe.com • Website: www.yuanda-europe.com

Certificate No: 1501PI to LPS 1531: Issue 1

Appendix 1 - Penetration, cavity barriers and linear gap seals

LPS 1581 EXTERNAL THERMAL INSULATED CLADDING (ETICS) ON MASONRY SUBSTRATES

LPS 1581 *Requirements and tests for LPCB approval of non-load bearing External Thermal Insulated Cladding Systems with rendered finishes (ETICS) or Rain Screen Cladding systems (RSC) applied to the masonry face of a building*

The test method used is BS 8414-1:2002 *Test method for non-load bearing external cladding systems applied to the face of the building* and is representative of an external fire source or fully developed (post-flashover) fire in a room venting through an opening such as a window aperture that exposes the external surfaces of the cladding system to the effects of the impinging flames. The test method determines external and potential internal (within the ETICS system) fire spread and, where a void exists, the extent of fire spread through the void.

External Thermal Insulated Composite Systems (ETICS) are systems which are applied to a masonry or concrete leaf, typically comprising of a number of layers including an insulation layer, a reinforcing mesh and external render or pre-formed slips or similar finish.

LPS 1581 RAIN SCREEN CLADDING SYSTEMS (RSC) ON MASONRY SUBSTRATES

LPS 1581 *Requirements and tests for LPCB approval of non-load bearing External Thermal Insulated Cladding Systems with rendered finishes (ETICS) or Rain Screen Cladding systems (RSC) applied to the masonry face of a building*

The test method used is BS 8414-1:2002 *Test method for non-load bearing external cladding systems applied to the face of the building* and is representative of an external fire source or fully developed (post-flashover) fire in a room venting through an opening such as a window aperture that exposes the external surfaces of the cladding system to the effects of the impinging flames. The test method determines external and potential internal fire spread and, where a void exists, the extent of fire spread through the void.

Rain Screen Cladding (RSC) systems are often used for the refurbishment of existing buildings where the insulation component is typically fixed to the original masonry face of the building. The external face of the cladding system is fixed to a supporting rail, so that the external face is spaced away from the insulation layer to form a cavity which may be drained.

LPS 1582 EXTERNAL THERMAL INSULATED CLADDING (ETICS) SUPPORTED BY A STRUCTURAL STEEL FRAME

LPS 1582 *Requirements and tests for LPCB approval of non-load bearing external cladding systems fixed to and supported by a structural steel frame.*

This standard is applicable to non-load bearing external cladding systems, such as curtain walling, glazed elements, infill panels and insulated composite panel systems fixed to and supported by a structural steel frame.

The test method used is BS 8414-2: 2005 *Test method for non-load bearing external cladding systems fixed to and supported by a structural steel frame*, and is intended to represent the action of a fully developed (post flashover) fire in a room venting through an opening such as a window aperture, or an external fire source that exposes the external surfaces of the cladding system to the effects of the impinging flames. The test method determines external and potential internal and fire spread and, where a void exists, the extent of fire spread through the void.

LPS 1582 RAIN SCREEN CLADDING SYSTEM (RSC) SUPPORTED BY A STRUCTURAL STEEL FRAME UPDATED 1

LPS 1582 Requirements and tests for LPCB approval of non-load bearing external cladding systems fixed to and supported by a structural steel frame.

This standard is applicable to non-load bearing external rain screen cladding systems fixed to and supported by a structural steel frame.

The test method used is BS 8414-2: 2005 *Test method for non-load bearing external cladding systems fixed to and supported by a structural steel frame*, and is intended to represent the action of a fully developed (post flashover) fire in a room venting through an opening such as a window aperture, or an external fire source that exposes the external surfaces of the cladding system to the effects of the impinging flames. The test method determines external and potential internal and fire spread and, where a void exists, the extent of fire spread through the void. (updated 1)

Company by Ali

14-15 Crooked Billet, Wimbledon, SW19 4RQ, United Kingdom

Sales

5 W North St

Certificate No: PG 1582 - rain to LPS 1673: Issue 1

PG 1582 - rain

Product Name	Description	LPCB Ref. No
PG 1582 - rain	PG 1582 - rain	LPCB- 1582
PG 1582 - rain	PG 1582 - rain	LPCB - 1582(a)

PG 1582 - rain

Sales

5 W North St

Certificate No: PG 1582 - rain tabular to LPS 1673: Issue 1

PG 1582 - rain tabular

Product Name	LPCB Ref. No.
PG 1582 - rain tabular	LPCB 1528 t1
PG 1582 - rain tabular	LPCB 1528 t2

PG 1582 - rain tabular

Company by Ali

14-15 Crooked Billet, Wimbledon, SW19 4RQ, United Kingdom

Certificate No: Svc 1528 to LPS 1673: Issue 1

Svc 1528

LPS 2084 INSPECTION CLEANING AND MAINTENANCE OF DUCTWORK SYSTEMS

Well maintained ductwork is essential to the good maintenance of buildings. It is crucial in reducing the fire risk within ductwork, in particular kitchen extract systems where grease and cooking oils, if allowed to build up, can present a significant hazard.

Using a company certified to the LPS 2084 standard will give clients the assurance that the cleaning and maintenance of their ductwork systems has been carried out to industry recognised standards and provide evidence of compliance with the law. This evidence will be crucial when seeking out buildings insurance.

LPS 2084 Requirements for the LPCB approval and listing of companies carrying out inspection, cleaning and maintenance of ductwork systems defines the requirements for these works.

Using a company certified to LPS 2084 will give clients the assurance that the cleaning and maintenance of their ductwork systems has been carried out correctly.

Bright Hygiene

Unit 7, Sarbit Industrial Park, Cambridge Road, Harlow, Essex, CM20 2EU, United Kingdom

Tel: 0800 093 7840

E-mail: fran@brighthygiene.co.uk • Website: <http://www.brighthygiene.co.uk/>

Certificate No: 1507PI to LPS 2084 - Issue 1

DeepClean Hygiene Solutions Ltd

DeepClean House, No 3 The Courtyard Harris Business Park, Stoke Prior, Hanbury Road, Bromsgrove, B60 4DJ, United Kingdom

Tel: 01527 559880

E-mail: TomWaghorn@deepclean-hygiene.co.uk • Website: www.deepclean-hygiene.co.uk

Certificate No: 1746PI to LPS 2084 Issue 1

Ductclean (UK) Limited

1 Woodfield Road, Welwyn Garden City, Hertfordshire, AL7 1JQ, United Kingdom

Tel: 0870 1129196

E-mail: jamie.carraher@dcukfm.com • Website: www.ductclean.co.uk

Certificate No: 1276PIa to LPS 2084 - Issue 1

TEST

1 Fire Protection Ltd

128 City Road, London, EC1V 2NX, United Kingdom

Tel: 07933008997

E-mail: info@1fireprotection.co.uk • Website: www.1fireprotection.co.uk

Certificate No: asdasd to LPS 1673: Issue 1

asd

PRODUCTS ASSESSED FOR USE IN SURFACE AND SUB SURFACE TRANSPORT APPLICATIONS

The products listed in this section have been assessed for use in rail transport applications in which the means of escape from a fire is limited as a result of:

- Difficulties in escaping from moving vehicles.
- The location of the fire (sub surface tunnels, viaducts, termini).
- Restricted egress from tunnels and sub surface termini.

Under such circumstances, it is essential that the materials used in the construction and furnishings of vehicles and sub surface constructions have the appropriate fire performance in terms of fire resistance and reaction to fire, including spread of flame, smoke and toxic fume emission.

This scheme provides independent third party approval for fire performance of products which have been tested and, where appropriate, classified in accordance with standards and codes of practice recognised by the transport industry or produced by the relevant transport bodies such as London Underground Limited (LUL), International Maritime Organisation (IMO) etc.

Products gaining LPCB approval under this scheme are primarily for use in transport applications such as rolling stock, shipping, motor vehicles and within transport infrastructure such as underground tunnels and transport termini.

PROTECTION AGAINST FIRE FROM INSIDE THE BUILDING

The products listed in this section are built-up roofing systems which offer protection against the risk of fire from within the building. The products have been tested to:

- BS 476:Part 21 *Fire tests on building materials & structures. Methods for determination of the fire resistance of loadbearing elements of construction*
 - or
 - BS 476:Part 22 *Fire tests on building materials & structures. Methods for determination of the fire resistance of non-loadbearing elements*
 - or
 - EN 1364:Part 2 *Fire resistance tests for non-loadbearing elements. Ceilings*
 - or
 - EN 1365:Part 2 *Fire resistance tests for loadbearing elements. Floors & roofs* and meet the requirements of LPS 1208 for fire resistance (For roof sandwich panels, see Section LPS 1208 Composite Construction Elements.)
-

PROTECTION AGAINST FIRE FROM OUTSIDE THE BUILDING

The products listed in this section are used as roofing systems that offer protection where there is a risk of fire from outside of the building. The products have been tested against either BS 476:Part 3 *Fire tests on building materials & structures - external fire exposure roof test* or ENV 1187:2002 *Test methods for external fire exposure to roofs*, in order to ensure that roof covering and its supporting deck act as a protective barrier against fire from the outside of a building. It should be noted that BS 476: Part 3:1958 has been withdrawn, but is still referred to in Approved Document B of the UK Building Regulations. ENV 1187:2002 has been issued as a Draft for Development publication and is of a provisional nature as agreement could not be reached on the publication of an EN.

Work is currently being undertaken to develop a Loss Prevention Standard for this product group.

REACTION TO FIRE (RTF) CLASSIFICATIONS FOR MATERIALS AND PRODUCTS

The materials and products listed in this section are LPCB approved and classified to one of the following Reaction to Fire (RTF) classification systems:

- Non-combustible to BS 476-4 Fire tests on building materials and structures. Non-combustibility test for materials.
 - Class O as defined in Approved Document B - Fire Safety, The Building Regulations 2000.
 - EN 13501-1 Fire classification of construction products and building elements. Classification using test data from reaction to fire tests. Note: LPCB approvals under this standard are limited to materials or products resulting in a classification of A1, A2 or B. Products under A2 or B will also be classified in relation to the additional classifications of s and d (eg s3, d2).
-

STRUCTURAL STEEL AND CONCRETE MEMBERS FIRE PROTECTION

The protection of the structural integrity of a building is important for life safety of the occupants, fire fighters and for the cost-effective repair of the building post fire. When a building is involved in a fire, structural steelwork and concrete members can resist the damaging effects of the high temperatures generated if suitably protected.

STRUCTURAL STEEL FIRE PROTECTION - INTUMESCENT THIN FILM COATINGS

The protection of the structural integrity of a building is important for life safety of the occupants, fire fighters and for the cost-effective repair of the building post fire. When a building is involved in a fire, structural steelwork can resist the damaging effects of the high temperatures generated if suitably protected.

This section covers structural steel fire protection with use of intumescent thin film coatings approved to SD075 *Fire Protection for Structural Steelwork (Intumescent Systems)* (BS 476: Parts 20 & 21).

International Paint Limited

Stoneygate Lane, Felling, Gateshead, Tyne & Wear, NE10 0JY, United Kingdom

Tel: +44 (0) 191 469 6111

E-mail: Neil.Wheat@akzonobel.com • Website: www.international-pc.com

Certificate No: 1109a(1) to SD198 Appendix B15 / BS 476: Part 21

Structural steel fire protection - Intumescent coating

Product Name	Steel Section	Steel Section Factor Range (Hp/A)	DFT Dry Film Thickness Range (mm)	Critical Temperature Range (°C)	Fire Resistance Period (mins)	Appendix No.	LPCB Ref. No.
Interchar 1190	I-and H- section beams, 3 sided exposure	70 - 320	0.770 - 4.366	350, 400, 450, 500, 550, 600, 620, 650, 700 & 750	15, 30, 45, 60, 75, 90, 105 & 120	1	1111a/01 1307a/01 1372a/01
Interchar 1190	I-and H- section columns, 4 sided exposure	50 - 365	0.608 - 7.630	350, 400, 450, 500, 550, 600, 650, 700 & 750	15, 30, 45, 60, 75, 90, 105 & 120	2	1111a/01 1307a/01 1372a/01
Interchar 1190	Rectangular and circular hollow section columns, 4 sided exposure	50 - 225	1.211 - 8.652	350, 400, 450, 500, 520, 550, 600, 650, 700 & 750	15, 30, 45, 60, 75, 90, 105 & 120	3	1111a/01 1307a/01 1372a/01

Certificate No: 1109a(2) to SD198 (Appendix B15)/BS 476: Part 21

Interchar 1260

Product Name	Steel Section	Steel Section Factor range (HP/A)	DFT Dry Film Thickness Range (mm)	Critical Temperature Range (°C)	Fire Resistance Period (mins)	Appendix No.	LPCB Ref. No.
Interchar 1260	I- and H- section beams, 3-sided exposure	70 - 330	0.140 - 1.163	350, 400, 450, 500, 550, 600, 620, 650, 700 & 750	15, 30, 45, 60, 75 & 90	1	1111a/02 / 1307a/02
Interchar 1260	I- and H- section columns, 4-sided exposure	90 - 365	0.143 - 1.146	350, 400, 450, 500, 550, 600, 650, 700 & 750	15, 30, 45, 60, 75 & 90	2	1111a/02 / 1307a/02
Interchar 1260	Rectangular and circular hollow sections columns, 4-sided exposure	80 - 290	0.224 - 2.176	350, 400, 450, 500, 520, 550, 600, 650, 700 & 750	15, 30, 45 & 60	3	1111a/02 / 1307a/02
Interchar 1260	Rectangular and circular hollow section beams, 3-sided exposure	80 - 290	0.224 - 2.406	350, 400, 450, 500, 550, 600, 650, 700 & 750	15, 30, 45, 60, 75 & 90	4	1111a/02 / 1307a/02

