

## Certificate of Product Approval

Certificate Number: 558a

Issue: 17

### HEMSEC MANUFACTURING LIMITED

Stoney Lane  
Rainhill  
Prescot  
Merseyside  
L35 9LL



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

#### Products

##### Composite Panel Systems

HPT Control 30  
HPT Control 60 wall and ceiling panels  
Hemsec SIPs (wall panel)

#### Standards

##### LPS 1208: Issue 3

LPCB fire resistance requirements for elements of construction used to provide compartmentation.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd.

Karen Coull

Certification Scheme Manager

03 July 2018

Date of Issue

01 February 2003

Date of First Issue



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## Appendix to Certificate No: 558a HEMSEC MANUFACTURING LIMITED

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HPT Control							
Product Name	Specification Thickness (mm)	Maximum Unsupported span (m)	Wall Panel orientation (H/V) (note 1)	BS 476: Part 22 Fire Resistance (min) Integrity / Insulation	Grade	Core Material	LPCB Ref. No.
HPT Control 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 (wall panel)	100 – 200	4.0	H	30/30	FR30	PIR	558a/16
HPT Control 30 (wall panel)	100 – 200	4.0	H	60/30	FR30	PIR	558a/16
HPT Control 30 (wall panel)	175 – 200	4.0	H	30/30	FR30	PIR	558a/16
HPT Control 60 (wall panel)	175 – 200	4.0	H	60/60	FR60	PIR	558a/16
HPT Control 30 (ceiling panel)	100 – 200	7.5	-	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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### HPT Control Panel Notes:

1. Wall panel orientation Horizontal or Vertical (H/V), relates to the long joint orientation.
2. LPCB Ref No.. 558a/16 and 558a/17 - HPT Control 30 and HPT Control 60 wall and ceiling panels The Hemsec LPS1208 Model Specification document QCD: 064/1 contains the critical components and specific stitching requirements needed for achieving the LPCB compliant panel systems. Copies of the Model Specification are available on request please contact the Hemsec Sales Department.

### Hemsec SIP Firecheck

Trade Name	Total system thickness (mm)	Fire Resistance (min)		Load bearing capacity under test conditions	Max unsupported span (m)	Grading	Core Material	LPCB Ref. No.
		Integrity	Insulation					
Hemsec SIP (wall panel)	160 - 287	75	75	11.67kN per linear metre	2.6	FR60	PUR	558a/11
Hemsec SIP (wall panel)	257.5 – 329.5	101	101	Not applicable	3.0	FR90	PUR	558a/13

### Hemsec SIP Panel Notes:

1. LPCB Ref No. 558a/11 - Hemsec SIP wall panel system consists of rigid polyurethane foam core (125mm – 252mm thick) sandwiched between 15mm orientated strand boards (OSB-3). The system was clad on the fire exposed face with a single layer of British Gypsum 'Gyproc' 12.5mm wall board (outer layer) and a single layer of British Gypsum 'Gyproc Fireline' 12.5mm board (inner layer), board layer joints staggered by 600mm and fixed to softwood timber batons at 600mm centres with 3.5mm x 50mm dry wall screws at 300mm centres. A total load of 35kN was applied for the duration of the test to a 3.0m wide test sample.

### Notes continued:

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- LPCB Ref No. 558a/13 – Hemsec SIP wall panel is approved to LPS 1208 as a non load-bearing, non structural built up wall system of the following configuration; Rigid polyurethane foam core (150mm to 222mm thick) sandwiched between 15mm orientated strand boards (Krono OSB-3), the panel size is 1.2m x 3.0m and installed with 3 metre joints vertical and consisting of 148mm deep x 70mm thick x 3000mm long timber spline joints inserted into 35mm pre-formed rebates in the core insulation, the joints are fixed with adhesive and nail fixings at a 100mm centres. The system is clad on the fire exposed face with two layers of British Gypsum wall boards; A single layer of 'Gyproc' 12.5mm wall board (outer layer) and a single layer of 'Gyproc Fireline' 15mm board (inner layer), with the wall board joints between layers staggered by 600mm and fixed to softwood timber battens 50mm x 50mm spaced at 600mm centres with 3.5mm x 50mm dry wall screws at 300mm centres, the stud cavity is filled with Knauf Rocksilks Universal slab RW33 insulation.

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