

Certificate of Product Approval

Certificate Number: 770b

Issue: 02

SOTECH LIMITED

2 Traynor Way
Whitehouse Business Park
Peterlee
SR8 2RU



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

Rainscreen Cladding Systems

Sotech Optima Solid Aluminium Cassette
Rainscreen System

Standards

LPS 1582: Issue 1

Requirements and Tests for LPCB approval of Non-load bearing External Cladding Systems fixed to and supported by a structural steel frame.

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

07 August 2018

Date of Issue

22 October 2010

Date of First Issue



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Product Name						LPCB Ref. No.
Sotech Optima Solid Aluminium Cassette Rainscreen System						770b/01
External layer detail	Insulation material type & thickness (mm)	Frame type & boarding	Cavity type and maximum depth (mm)	Firebreak detail	EN 13501-1 Classification	LPCB Ref. No.
Aluminium cassette See Note 1	100mm mineral fibre See Note 2	See Note 3	Cavity of maximum 120mm depth between rear of cassette system and face of insulation	See Note 4	No performance determined	770b/01

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Notes:

- LPCB Ref. No. 770b/01 – Sotech Optima Solid Aluminium Cassette Rainscreen System consists of aluminium cassette panels precoated with pvdf to the following scope:

Cassette Panel Material	Cassette Height (mm)	Maximum Single Span* (mm)
Aluminium 1.5mm	500	1500
	600	1500
	750	1500
	900	1350
	1100	1200
Aluminium 2.0mm	500	1800
	600	1800
	750	1800
	900	1500
	1100	1200
Aluminium 3.0mm	500	1800
	600	1800
	750	1800
	900	1600

*Multiple spans are allowable provided that the intermediate supports are installed at centres not exceeding the maximum single span distances.

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2. LPCB Ref. No. 770b/01 – insulation consists of Rainscreen Duo-slab Mineral fibre, 100mm thick and affixed through the sheathing board to the SFS with a minimum of one fixing (Ejot 80 SS disc washer T1D-TR2 secured with JT3-D6H screw 5.5-6.3x147 and HTV-4055 washer) per slab.
3. LPCB Ref. No. 770b/01 – Frame system consists of METSEC SFS 150mm lightweight steel frame stud and track sections installed between floor slabs. External sheathing board; minimum of single layer 12mm Versapanel fixed at 600mm centres. Internal liner, minimum of two layers 12.5mm British Gypsum Gyproc Fireline boards, staggered layers and fixed at 600mm centres. The cavity within the SFS is unfilled.
4. LPCB Ref. No. 770b/01 – Fire breaks consist of a horizontal lamella/intumescent strip system located at a maximum height intervals of 2.5m.

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