

## Certificate of Product Approval

Certificate Number: 443a

Issue: 16

### CA GROUP LIMITED

Evenwood Industrial Estate  
 Copeland Road  
 Evenwood  
 Co Durham  
 DL14 9SF



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

##### Built-Up Cladding System

Twin-Therm® Roof, Twin-Therm® Wall, Twin-Therm® Wall including SolarWall® or Prime Rainscreen, River-Therm® Roof, River-Therm® Wall, Twin-Therm® FW15 FireWall, Twin-Therm® FW15 FireWall including SolarWall® or Prime Rainscreen, Twin-Therm® FW30 FireWall, Twin-Therm® FW30 FireWall - including SolarWall® or Prime Rainscreen, Twin-Therm® FW60 FireWall, Twin-Therm® FW60 FireWall - including SolarWall® or Prime Rainscreen, Twin-Therm® FW120 FireWall, Twin-Therm® FW120 FireWall - including SolarWall® or Prime Rainscreen

#### Standards

##### LPS 1181 Part 1

Requirements and Tests for Built-up Cladding and Sandwich Panel Systems for use as the External Envelope of Buildings.

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

Signed for LPCB

Karen Coull

Certification Scheme Manager

23 May 2017

Date of Issue

13 April 2012

Date of First Issue



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 T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



## Appendix to Certificate No: 443a CA GROUP LIMITED

Issue: 16

Product Name	Specification thickness (including external profile depth) (mm)	Cavity insulation thickness (mm)	Wall panel orientation (H/V) (note 1)	Fire Resistance (min) integrity / insulation	Grade	Core Material Type and Density	LPCB Ref. No.
Twin-Therm® Wall	95 / 365	80 - 300	H/V	- / -	EXT - B	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/10
Twin-Therm® Roof	112 / 532	80 - 500	- / -	- / -	EXT - B	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/10
Twin-Therm® Wall including SolarWall® or Prime Rainscreen	182 / 629	80 - 300	H/V	- / -	EXT - B	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/15
River-Therm® Roof	138 / 558	80 - 500	- / -	- / -	EXT - B	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/14
River-Therm® Wall	138 / 220	80 - 220	HV	- / -	EXT - B	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/14
Twin-Therm® FW15 FireWall	135 / 365	120 - 300	H/V	240/15	EXT-A15	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/17
Twin-Therm® FW15 FireWall including SolarWall® or Prime Rainscreen	222 / 629	120 - 300	H/V	240/15	EXT-A15	Glass wool ≥ 10 kg/ m <sup>3</sup>	443a/18
Twin-Therm® FW30 FireWall	135 / 365	120 - 300	H/V	240/30	EXT-A30	Rock fibre ≥ 33 kg/ m <sup>3</sup>	443a/19
Twin-Therm® FW30 FireWall - including SolarWall® or Prime Rainscreen	222 / 629	120 - 300	H/V	240/30	EXT-A30	Rock fibre ≥ 33 kg/ m <sup>3</sup>	443a/20
Twin-Therm® FW60 FireWall	115 / 165	100 - 100	H/V	240/60	EXT-A60	Rock fibre ≥ 45 kg/ m <sup>3</sup>	443a/21
Twin-Therm® FW60 FireWall - including SolarWall® or Prime Rainscreen	202 / 429	100 - 100	H/V	240/60	EXT-A60	Rock fibre ≥ 45 kg/ m <sup>3</sup>	443a/22

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Certification Scheme Manager

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## Appendix to Certificate No: 443a CA GROUP LIMITED

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Product Name	Specification thickness (including external profile depth) (mm)	Cavity insulation thickness (mm)	Wall panel orientation (H/V) (note 1)	Fire Resistance (min) integrity / insulation	Grade	Core Material Type and Density	LPCB Ref. No.
Twin-Therm® FW120 FireWall	135 / 365	120 - 300	H/V	240/120	EXT-A120	Rock fibre ≥ 45 kg/ m <sup>3</sup>	443a/23
Twin-Therm® FW120 FireWall - including SolarWall® or Prime Rainscreen	222 / 629	120 - 300	H/V	240/120	EXT-A120	Rock fibre ≥ 45 kg/ m <sup>3</sup>	443a/24

### Notes

- LPCB ref. no. 443a/17, 443a/18, 443a/19, 443a/20, 443a/21, 443a/22, 443a/23 and 443a/24 External Wall orientation Horizontal or Vertical (H/V) relates to the long joint orientation.
- LPCB ref no. 443a/10, 443a/15, 443a/14, 443a/17, 443a/18, 443a/19, 443a/20, 443a/21, 443a/22, 443a/23, 443a/24, Twin-Therm® Roof, Twin-Therm® Wall, Twin-Therm® FireWall including SolarWall® or Prime Rainscreen, River-Therm® Roof, River-Therm® Wall utilise a number of differing internal liners as follows CA LT 17 1000S and CA 32 1000RL.
- LPCB ref no. 443a/10, 443a/15, 443a/14, 443a/17, 443a/18, 443a/19, 443a/20, 443a/21, 443a/22, 443a/23, 443a/24, Twin-Therm® Roof, Twin-Therm® Wall, Twin-Therm® FireWall including SolarWall® or Prime Rainscreen, River-Therm® Roof, River-Therm® Wall utilise a number of differing external profiles as follows CA 32 1000R, CA 32 1000W, CA 15 910WS, CA Arc 50 930, CA Sinu 19 990, CA Sinu 42 960, CA 47 900SL, CA 300MR, CA Flat 300P, CA 65 321DL, RT-500.
- For a comprehensive list of approved variations for the systems please refer to BRE Global Assessment Report P102723-1001, also WF367406, WF313435 issue 2, WF313436 issue 2 and WF313437 Issue 2.
- Approved manufacturers

The following company manufacture the product listed on this certificate. This company is audited by the LPCB to ensure the product certification requirements are met.

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