

Loss Prevention Certification Board



This is to certify

C A GROUP LIMITED
Evenwood Industrial Estate, Copeland Road,
Evenwood, Co. Durham DL14 9SF

is authorised to use the LPCB mark on

Twin-Therm, Plano-Therm, River-Therm and SolarWall systems

(Refer to attached appendix for details)

which have complied with the requirements of the following:

**LPS 1181 : Series of Fire Growth Tests for LPCB Approval and Listing of
Construction Product Systems.**

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

Certificate No. 443a

Issue No. 10

Date of Issue 18 July 2008

This certificate is valid until withdrawn by LPCB.
To check the validity and the authenticity of this certificate please
visit our website www.RedBookLive.com or contact us.

Signed on behalf of the LPCB

T Baker



LPCB is part of BRE Global Ltd., Garston, Watford WD25 9XX. Tel +44 (0)1923 664100
Fax +44 (0)1923 664603 www.RedBookLive.com

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APPENDIX TO CERTIFICATE NO. 443a

C A Group Limited

Product Name	Specification	Fire Resistance (min)		Grade	Core Material	LPCB Ref. No.
	Thickness mm	Integrity	Insulation			
Twin-Therm Fire wall	05 - 200	240	30	EXT -A30	Mineral wool	443a/02
Twin-Therm wall	50 - 220	-	-	EXT -B	Glass wool	443a/03
Twin-Therm roof	50 - 220	-	-	EXT -B	Glass wool	443a/04
Plano-Therm wall	147 - 281	-	-	EXT -B	Glass wool	443a/05
River-Therm roof	218 - 263	-	-	EXT -B	Glass wool	443a/06
SolarWall wall	324 - 543	-	-	EXT -B	Glass wool	443a/07
Plano-Therm Fire wall	173 - 218	120	30	EXT -A30	Mineral wool	443a/08
SolarWall Fire wall	324 - 543	240	30	EXT -A30	Mineral wool	443a/09

Note:

- (1) LPCB Ref. 443a/02, 443a/03, 443a/05, 443a/07, 443a/08 and 443a/09, Wall Panels can be laid vertically or horizontally. For full details contact C A Group
- (2) LPCB Ref. 443a/02, 443a/03, 443a/05, 443a/07, 443a/08 and 443a/09, The base of wall systems must be supported.
- (3) LPCB Ref. 443a/02, Twin-Therm Fire Wall: external sheet may be CA 32 1000R, CA 32 1000W, CA 40 1000RW, CA 45 1000W or CA ARC 50 930.
- (4) LPCB Ref. 443a/03, Twin-Therm Wall: external sheet may be CA 32 1000R, CA 32 1000W, CA 40 1000RW, CA 45 1000W or CA ARC 50 930.
- (5) LPCB Ref. 443s/04, Twin-Therm Roof: external sheet may be CA 32 1000R
- (6) All systems, Internal sheeting normally CA LT 17 1000S. Twin-Therm roof may be lined with CA 32 1000RL.

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Page 2 of 2

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