

## Certificate of Product Approval

Certificate Number: 460a

Issue: 09

### Tata Steel UK Limited, Panels and Profiles

Shotton Works  
Deeside  
Flintshire  
CH5 2NH



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

##### Sandwich Panel Systems

Trimapanel, Formawall wall panel; Trisobuild FR15; Trisobuild FR30; Trisobuild FR60; Trisobuild VW / HW; Trisobuild R / RL; Trinsul wall system; Trinsul wall and roof system; Structural Liner Tray wall and roof; Structural Flat Metal Roof Deck; Trisobuild SA1; Trisobuild SA1+; Hybrid Acoustic roof system; Hybrid Acoustic wall system and Trisomet roof; wall panel and Celtic 30 roof panel

#### Standards

##### LPS 1181 Part 1: Issue 1

Series of Fire Growth Tests for LPCB Approval and Listing of Construction Product Systems. 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 BRE Global Ltd.

Mark Newton

Certification Scheme Manager

07 January 2020

Date of Issue

09 August 2009

Date of First Issue



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## Appendix to Certificate No: 460a Tata Steel UK Limited, Panels and Profiles

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Product Name	Specification Thickness (mm)	Wall Panel Orientation	Fire Resistance (min) Integrity/Insulation	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

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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
Trisobuild SA1	175	V	-	EXT-B	Mineral wool	460a/23
Trisobuild SA1+	175	V	240/15	EXT-A15	Mineral wool	460a/23
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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### Notes:

1. Wall panel orientation, Horizontal or Vertical (H/V), relates to the long joint orientation.
2. The PIR core materials marked \* are both CFC and HCFC Free and are stated to be Low Global Warming Potential (GWP)
3. LPCB Ref 460a/13, Trimapanel, Formawall wall panels having a grade EXT-A are to be stitched on the internal face with SFS Intec IR2 – 4.8 x 60 (70mm thick panel), or SFS Intec IR2 – 4.8 x 80 (90mm thick panel) screws or similar at maximum 250mm centres.
4. LPCB Ref 460a/19 Trinsul wall system outer liner 0.55mm steel stitched at maximum 600mm centres, internal liner 0.4mm steel.
5. LPCB Ref 460a/20 Structural Liner Tray system requires the liner tray joints to be stitched at maximum 450mm centres.
6. LPCB Ref 460a/21 Structural Flat Metal roof deck steel profile liner D19 – D35 require no side lap stitching, steel profile liner D46 – D159 require side lap stitching at a maximum of 450mm c/c and steel profile liner D210 require side lap stitching at a maximum of 350mm c/c.
7. LPCB Ref 460a/29 Trisomet wall panels can be laid with the long joints in the vertical orientation stitched or unstitched, or in the horizontal orientation with the overlap joint stitched at maximum 600mm centres.
8. LPCB Ref 460a/29 & 460a/30 Trisomet roof panels are to be secured to each purlin with 2 fixings, the perimeter of the roof system is to be secured to the frame support through the panel edge at 300mm centres.
9. LPCB Ref 460a/27 Trisomet wall panels are to be stitched at maximum 300mm centres with SL2-T-A14-4.8x20 self tapping steel screws or similar.

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# Certificate of Compliance

This certificate is issued for the following:

Trimapanel, Trimawall, Formawall, Trisomet, Trisomet 333

**Prepared for:**

Tata Steel Panels and Profiles  
Shotton Works  
Operations Centre  
Deeside, Flintshire CH5 2NH  
United Kingdom

FM Approvals Class: 4880

Approval Identification: 3055069

Approval Granted: 2/22/2016

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com) and [www.roofnav.com](http://www.roofnav.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, and RoofNav an online resource of FM Approvals.

A handwritten signature in dark ink that reads 'Cynthia E. Frank'.

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Cynthia Frank  
AVP - Manager of Materials  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



*Member of the FM Global Group*