

# FIP Façade Interface Panel for end of partitions



Acoustic board limiting sound transmission where curtain walls and internal partitions abut

## Application

Siderise FIP façade interface panel is a thin multi-layered board offering tested sound reduction performance and has been specifically developed to provide a solution where an internal partition abuts a curtain wall or window mullion. Siderise FIP façade interface panel achieves 42dB Rw performance at 31mm thickness. This compact solution tested for acoustic and fire performance has been used in hotels, residential, government and commercial projects in the UK and internationally.

## Product Description

Siderise FIP façade interface panel is a bonded composite material comprising four primary layers which are bonded together to offer a combination of stiffness and damping within a high mass panel, with a nominal thickness of only 31mm. The layers include a high mass cementitious board either side of a central heavy elastomeric core. The bonding technique means that the elastomeric core effectively dampens the stiff cementitious board, improving the performance in stiffness and dampening controlled regions.

### Finish

Siderise FIP is typically supplied unfinished for project specific decorative coverings to be applied.

## Fire Performance

Siderise FIP has been tested to the temperature and pressure conditions of BS EN 1363-1: 2020, and the test principles of EN1366-4:2006+A1:2010. See table 1 below.

**Table 1: Fire resistance performance**

Product Ref	Void Width (mm)	Integrity (Mins)	Insulation (mins)	Product Length (mm)
FIP	100 - 300	60	60	2400 (no horizontal joints)
FIP	100 - 300	30	30	>2400 (with horizontal joints)

FIP	301 - 600	Not classified	Not classified	Any
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## Reaction to Fire

In terms of 'Reaction to Fire', the components are classified to EN 13501-1 + A1:2010 (Cementitious board) and EN 13501-1:2019 (Acoustic barrier) See Table 2.

**Table 2: Reaction to Fire performance**

Component	Fire Reaction Class
Acoustic barrier	B-s1, d0 (foil face)
Cementitious board	A2-s1, d0

## Acoustic Performance

The product's acoustic performance is tested in accordance with BS EN ISO 10140-2:2021. Weighted sound reduction index (dB  $R_W$ ) values are given below in Table 3.

**Table 3: Acoustic performance - Weighted Sound Reduction Index**

Product Ref.	Thickness (mm)	Product Surface Weight (kg/m <sup>2</sup> )	Rw (dB)	C:Ctr
FIP	31	50	42	(-1;-5)
FIP + 50mm cavity + FIP	112	100	55	(-2;-8)

## Technical Specification

**Table 4: Product Properties**

Properties	Value
Form supplied	Sheets 2400mm long x 100-600mm wide (Acoustic), Sheets 2400mm long x 100-600mm wide (Acoustic & Fire)
Colour	Light Grey
Finish	Bright aluminium Foil
Thickness	31mm
Surface weight	50kg/m <sup>2</sup>

Density	Nominal 1600kg/m <sup>3</sup>
Cavities	100mm -600mm (Acoustic), 100mm-300mm (Acoustic & Fire)
Resistance to fire	See table 1 above
Reaction to fire	See table 2 above

## Additional Information Available

### Products available

The following Siderise Building Acoustics products are available:

- Siderise ALS acoustic lining slab
- Siderise AVC acoustic void closures for tops of walls
- Siderise BM/P10 series barrier mat
- Siderise CBX flexible acoustic barriers
- Siderise CVB/LAM acoustic barriers for suspended ceilings
- Siderise CVB/P10 acoustic barriers for suspended ceilings and raised access floors
- Siderise FIP façade interface panel
- Siderise FLX foam based flexible acoustic barriers
- Siderise MC mullion cover
- Siderise MI Mullion/Transom Inserts
- Siderise RF Cavity Barrier and Firestop for Raised Access Floors

Contact us for a copy of our building acoustics range brochure.

Contact us for further information on our CPDs

## Technical Support

Technical & Sales support

For further information and advice, please contact:

Technical support: Technical Team, +44(0)1473 827695, [technical.sspl@siderise.com](mailto:technical.sspl@siderise.com)

Sales support: Internal Sales Team, +44(0)1473 827695, [sales.sspl@siderise.com](mailto:sales.sspl@siderise.com)

## Context

The information in this datasheet is believed to be accurate at the date of publication. Siderise has a policy of continuous product improvement and reserves the right to alter or amend the specifications of products without prior notice. Siderise does not accept responsibility for the consequences of using the products described outside of the recommendations within this datasheet. Expert advice should be sought where there is any doubt about the correct specification or installation of Siderise products.

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