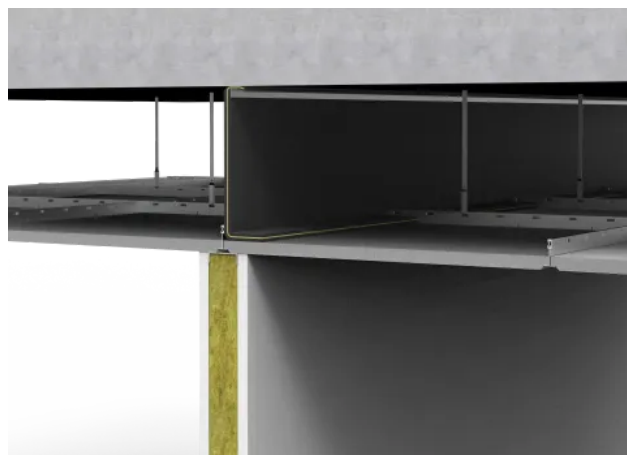


# FLX Flexible Acoustic Barrier for ceiling

Flexible composite sheets designed for free hanging in ceiling voids



## Application

Siderise FLX flexible acoustic barriers for suspended ceilings are flexible composite quilts designed for free- hanging in ceiling voids above partition lines. They have been specifically developed to reduce `room to room' sound transmission via a common ceiling void.

The product can be cut and formed around localised obstructions within the ceiling void. Being flexible and thin the quilts are ideal for remedial treatment requiring only limited disruption to an existing suspended ceiling during installation.

## Product Description

Siderise FLX are multi-layered composite materials. The central layer is a thin flexible bitumen free polymeric barrier mat. The membrane barrier incorporates a laminated 'anti-creep' layer to prevent possible long-term elongation of the product in its normal free hanging condition. It additionally provides reinforcement to through penetrations at fixing points on each side of the membrane. To each side of the membrane there is an open cell acoustic foam insulation layer.

Siderise FLX is available as standard or with the optional feature of reinforced aluminium foil finish to one side. This facing simplifies the sealing of service penetrations as it permits the application of self-adhesive foil tapes.

As Siderise FLX contain no mineral fibre based components so are suitable in applications where mineral fibres must be avoided.

### Handling

Siderise FLX are heavy, flexible barriers and care should be taken when handling to protect the product from damage and the handler from personal injury.

Weight per sheet (2000mm x 1200mm std)= 26kg per sheet

Before lifting each sheet should be rolled or folded down the length of the sheet to create a package approximately 1200mm long x 300 - 500mm width/diameter. The product can then be lifted. All standard health and safety lifting/handling techniques should be observed.

## Fire Performance

In terms of 'Reaction to Fire', the products are classified to EN 13501-1. See Table 1.

**Table 1: Reaction to Fire performance**

| Product Ref. | Classification |
|--------------|----------------|
| FL10P        | C-s2, 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 2.

**Table 2: Acoustic performance - Weighted Sound Reduction Index**

| Product Ref.                | Thickness (mm) | Product Surface Weight (kg/m <sup>2</sup> ) | R <sub>w</sub> (dB) | C:Ctr   |
|-----------------------------|----------------|---------------------------------------------|---------------------|---------|
| FL10P                       | 17             | 11                                          | 31                  | (-1;-3) |
| FL10P + 50mm cavity + FL10P | 84             | 22                                          | 42                  | (-3;-9) |

## Technical Specification

**Table 3: Product Properties**

| Properties         | Value                                          |
|--------------------|------------------------------------------------|
| Form Supplied      | Sheets 2000mm x 1200mm                         |
| Colour             | Black                                          |
| Finish             | Open cell foam                                 |
| Thickness          | 17mm & 84mm                                    |
| Surface weight     | 11kg/m <sup>2</sup> & 22kg/m <sup>2</sup>      |
| Density            | Nominal 850kg/m <sup>3</sup>                   |
| Cavities           | up to 1800mm                                   |
| Resistance to fire | None – Acoustic only barrier                   |
| Reaction to fire   | Class C-s2,d0 to EN 13501-1:2018 - see Table 2 |

## 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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