

Siderise FLX flexible acoustic barriers for suspended ceilings

A flexible composite quilt designed for free-hanging in ceiling voids that reduces sound transmission between rooms, suitable in both new build and refurbishment projects.



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 provide a simple solution to improving 'room to room' sound separation via a common ceiling void.

This product offers excellent sound reduction properties in comparison to commonly employed 'ad-hoc' solutions based on standard flexible/resilient materials. 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 heavy septum membrane.

The membrane is a polymeric heavy salt loaded barrier with an '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 and are effectively dust free even in the plain unfaced form. In consequence the product is suitable for conditions where the ceiling void is used as a return air plenum.

Acoustic performance

The product's acoustic performance is tested in accordance with BS EN ISO 140-3:1995. Weighted sound reduction index (dB R_w) values are given below in Table 1.

Table 1 - Acoustic performance

Weighted Sound Reduction Index

Product Code	Description	Weight (Kg/m ²)	R_w (dB)
FL10P	Polymeric	11	27*
Twin FL10P	Polymeric	22	44

*assessed value

Fire performance

In terms of 'Reaction to Fire', the products are classified to EN 13501-1. See Table 2.

Table 2 - Reaction to Fire performance

Product Grade	Weight (Kg/m ²)	Building Regs (Approved Document B) European Class (to EN 13501-1)
FL10P	11	C-s2, d0

Technical specification

Form Supplied	Sheets 2000mm x 1200mm
Finish	Matt black open cell foam both sides (or optional Foil Face)
Thickness	Nominal 13mm
Surface weight	Nominal 11Kg/m ²
Central mass membrane	Polymeric
Fire resistance performance	None - Acoustic only barrier
Reaction to Fire	C-s2, d0

Handling

Siderise FLX are fairly heavy barriers but very flexible 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.

Products available

The following Siderise products for use the Interiors Sector are available:

- Siderise AVC acoustic void closures for tops of walls
- Siderise BM/P series barrier mat
- Siderise CBX flexible acoustic barriers
- Siderise CLS acoustic lining system
- Siderise CVB/LAM acoustic barriers for suspended ceilings
- Siderise CVB/P10 acoustic barriers for suspended ceilings and raised access floors
- Siderise DWX duct acoustic barriers
- Siderise FLX foam based flexible acoustic barriers
- Siderise MC mullion overclad system

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

Contact us for further information on our CPDs

Further information

Technical support

For further information please contact our technical team at the address below.

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