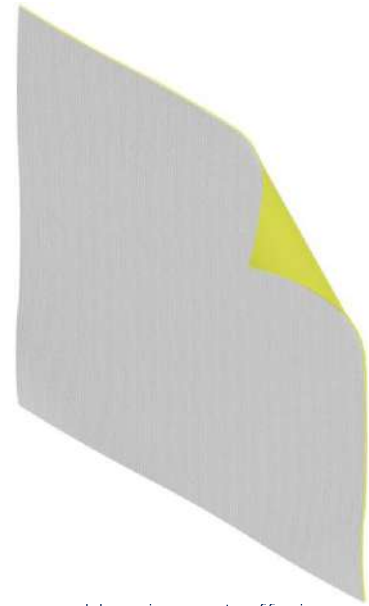


Siderise BM/P series barrier mat

A thin bitumen free polymeric sound barrier mat that offers exceptional flexibility and can be used in a wide variety of applications.



Application

Siderise BM/P series barrier mat: BM/Px is a thin, bitumen free polymeric sound barrier mat offering exceptional flexibility.

The product is used in many varied applications and industries including construction, marine, automotive, and OEM.

Some applications use the product as a component layer within a bespoke Siderise composite material. The barrier is then optionally combined with sound absorbents, spacing layers, facings, and self-adhesive backings. Common construction applications include high performance wall and partition constructions; external cladding to ducts / pipes, component in built up metal roof and cladding systems, overlays to timber intermediate floors.

Product description

Combining a high surface mass with 'limp' mechanical characteristics, Siderise BM/P series barrier mat: BM/Px offers optimum sound reduction and dampening performance.

Primarily designed to improve the sound insulation value of existing panels of metal, wood, plastic, GRP, etc. It is particularly effective in reducing the effect of coincidence dip resonance found in these stiff, lightweight materials.

Additionally, Siderise BM/P series barrier mat: BM/Px may be used:

- On its own as a flexible void closure material; in sandwich constructions between boards.
- As an internal membrane in built up composites where final flexibility is required.
- As an overlay treatment to materials or constructions with perforations or minor gaps resulting in potential sound leakage.

The product is robust, clean & simple to use and can be readily cut to size with a sharp knife.

Installation

In general, through mechanical fixing is preferred. In vertical applications if the through fixing represents the sole means of permanent support for the material, they should be combined with load spreading washers or straps.

The product is optionally available with a self-adhesive backing layer. Please contact our Interiors technical team for advice on the use of adhesives.

Acoustic Performance

The product's acoustic performance is tested in accordance with UNE EN ISO 10140-2:2011. Weighted sound reduction index (dB R_w) values for various grades of the product are given below in Table 1.

Table 1 - Acoustic performance

Weighted Sound Reduction Index

Product Code	Weight (Kg/m ²)	R_w (dB)
BM/P10	10	32

Our Interiors technical team are happy to advise on anticipated performance when used in conjunction with other acoustic materials.

Fire Performance

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

Table 2 - Reaction to Fire performance

Product Code	Weight (Kg/m ²)	Building Regs (Approved Document B) European Class (to EN 13501-1)
BM/P10	10	B-s2, d0 (scrim face) B-s1, d0 (foil face)

Technical specification

Form Supplied	Sheets or rolls 2m x 1.2m nom.
Colour	Ochre
Surface weight	10kg/m ²
Nominal thickness	5.3mm
Tensile strength (UNE 104-281/6.6)	30 N/cm ²
Elongation (UNE 104-281/6.6)	300%
Crushing strength	4.84Kg/cm ²
Pliability (UEAtc)	Does not break when bent at -20°C
Fire resistance performance	None - Acoustic only barrier
Reaction to Fire	B-s1,d0

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.

Available CPD's

Contact Siderise for further information on our CPDs:

- Siderise Acoustic Products for Commercial Interiors -Architect Edition
- Siderise Acoustic Products and Performance with 1/3rd Octave Data – Acoustic Consultants Edition

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