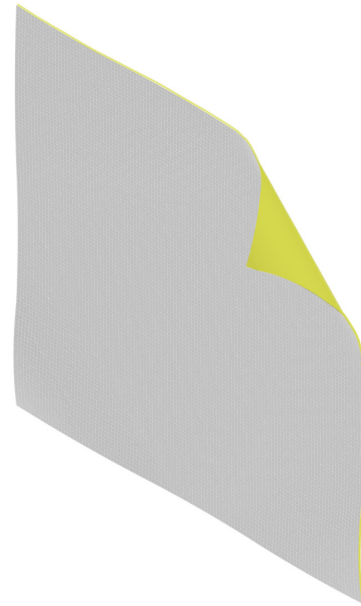


# Siderise BM/P series barrier mat: BM/Px

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.

### Benefits

- High acoustic performance.
- Thin and Flexible.
- Reduces 'coincidence dip'.
- High Tensile strength versions available.
- Flammability rated to European (EN1350-1) Class B and National (BS476 Pt 6 & 7) Class 'O'.
- Low odour.

## 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.

Siderise BM/P series barrier mat: BM/Px can be used in multiple offset layers which both increases the total applied mass and negates the normal requirement for overlap joints to maintain acoustic integrity. Siderise BM/P10 (10kg/m) is our standard grade and is available from stock. BM/P5 (5kg/m) is a non-stock item and may be subject to extended lead times, please contact [sales.sspl@siderise.com](mailto:sales.sspl@siderise.com) for more details.

## 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

### BM/P5

Mean SRI (100Hz-3150Hz) = 22 dB

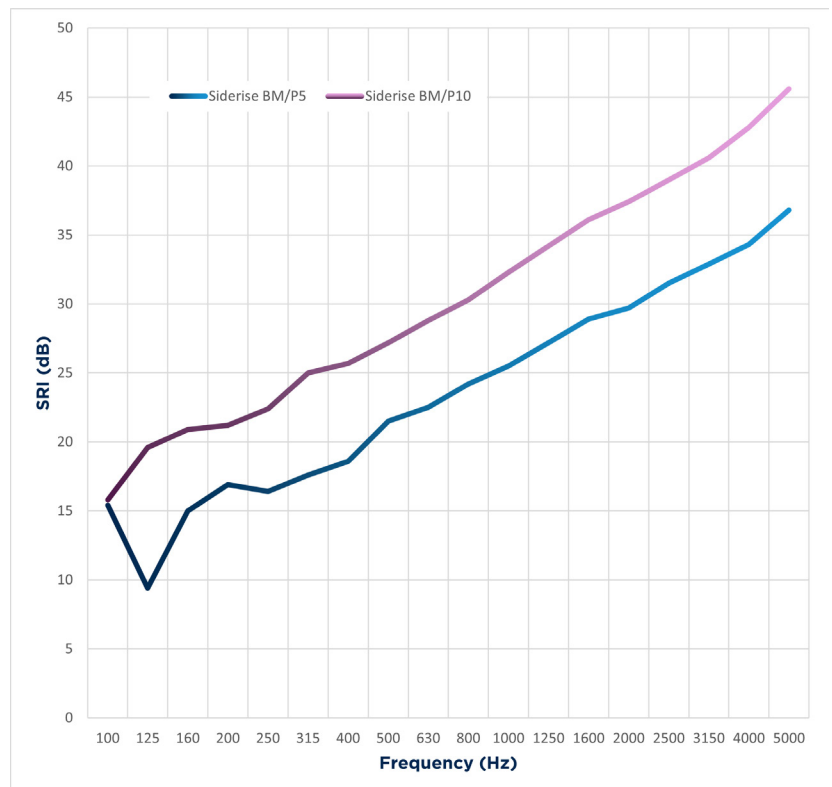
$R_w$  (C;Ctr) = 25 (-0; -3) dB

### BM/P10

Mean SRI (100Hz-3150Hz) = 28 dB

$R_w$  (C;Ctr) = 32 (-1; -4) dB

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



**Technical specification**

	<b>BM/P5*</b>	<b>BM/P10</b>
<b>Colour</b>	Ochre	Ochre
<b>Surface weight</b>	5kg/m <sup>2</sup>	10kg/m <sup>2</sup>
<b>Nominal thickness</b>	2.7mm	5.3mm
<b>Tensile strength (UNE 104-281/6.6)</b>	30 N/cm <sup>2</sup>	30 N/cm <sup>2</sup>
<b>Elongation (UNE 104-281/6.6)</b>	300%	300%
<b>Reaction to fire - National (BS476 Pt 6 &amp; 7) Reaction to fire - European (EN 13501-1)</b>	Class 'O' B, s2, d0 (plain) B, s1, d0 (foil faced)	Class 'O' B, s2, d0 (plain) B, s1, d0 (foil faced)
<b>Crushing strength</b>	4.84Kg/cm <sup>2</sup>	4.84Kg/cm <sup>2</sup>
<b>Pliability (UEAtc)</b>	Does not break when bent at -20°C	Does not break when bent at -20°C
<b>Acoustic Performance</b>	25dB R <sub>w</sub>	32dB R <sub>w</sub>
<b>Sheet size</b>	2m x 1.2m nom.	2m x 1.2m nom.

\* Not standard stock material

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 1/3<sup>rd</sup> Octave Data – Acoustic Consultants Edition

**Sales & Technical**

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