

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

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

## Application

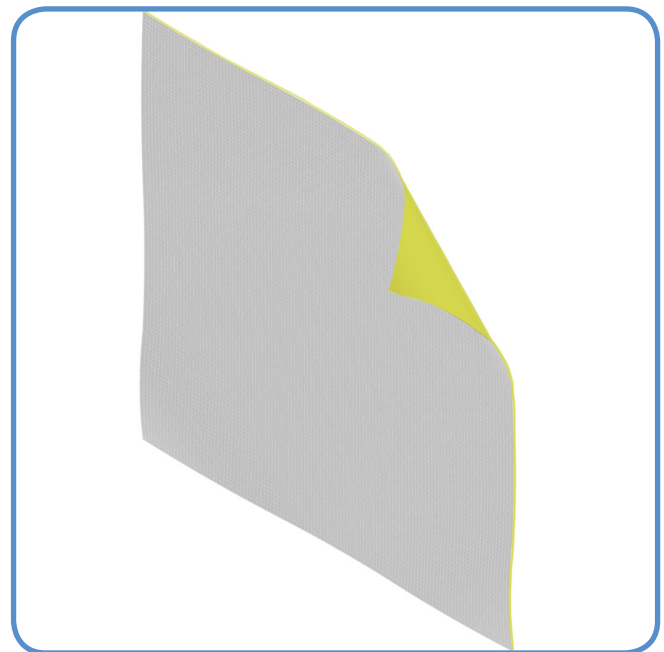
**SIDERISE BM/P series barrier mat: BM/Px** is a thin, bitumen free polymeric sound barrier offering exceptional flexibility.

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.

## Benefits

- High acoustic performance
- Thin and flexible
- Reduces 'coincidence dip'
- High Tensile strength versions available
- Class 'O' fire rated
- Low odour



**Acoustic, fire and thermal  
insulation specialists**

## 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: in sandwich constructions between boards materials or as an internal membrane in built up composites where final flexibility is required. The product is 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.

## 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

Mean SRI for BM-P5 = 25 dB

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

## Technical specification

	BM-P3.5	BM-P5	BM-P10
Colour	Ocre	Ocre	Ocre
Surface weight	3.5 kg / m <sup>2</sup>	5 kg / m <sup>2</sup>	10 kg / m <sup>2</sup>
Nominal thickness	1.8mm	2.7mm	5.3mm
Tensile strength (UNE 104-281/6.6)	30 N/cm <sup>2</sup>	30 N/cm <sup>2</sup>	30 N/cm <sup>2</sup>
Elongation (UNE 104-281/6.6)	300%	300%	300%
Reaction to fire	Class 'O'	Class 'O'	Class 'O'
Crushing strength	4.84 Kg/cm <sup>2</sup>	4.84 Kg/cm <sup>2</sup>	4.84 Kg/cm <sup>2</sup>
Pliability (UEAtc)	Does not break when bent at -20°C	Does not break when bent at -20°C	Does not break when bent at -20°C
Mean SRI	On req	25 dB	On req
Sheet size	n/a	2m x 1.2m	2m x 1.2m
Roll size	9m x 1m	6m x 1.2m	4m x 1.2m

## Products required

The following SIDERISE products are available.

- **SIDERISE BM/P series barrier mat: BM/Px**
- **SIDERISE self adhesive backing** (optional) - contact SIDERISE for information

## Additional information

The following information is available upon request or via download from the website:

- NBS Specification Clause
- Safety Data Sheet

## Environmental

**SIDERISE BM/P series barrier mat: BM/Px** are environmentally friendly.

- They contain no Volatile Organic Compounds (VOCs) and no very Volatile Organic Compounds (vVOCs)
- Zero Ozone Depleting Potential
- Global Warming Potential of less than 5
- Recyclable

**Developing insulation solutions for over 40 years**

## Specification

Siderise offer specifiers support from initial enquiry and technical consultation to project realisation. NBS draft specifications are provided for standard products and applications and can be tailored to suit specific project performance requirements.

## Technical support

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

