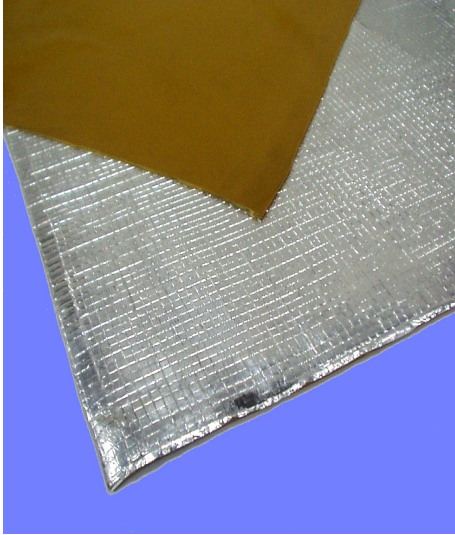


### Introduction

## Lamaphon BM-PX



Lamaphon BM-PX is a thin, bitumen free polymeric sound barrier offering exceptional flexibility.

Combining a high surface mass with 'limp' mechanical characteristics, the product 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 the product may be used: in sandwich constructions between boards materials or as an internal membrane in built up composites where final flexibility is required.

BM-PX is clean & simple to use and can be readily cut to size with a sharp knife.

The product 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.

### Applications

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 Lamaphon 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.

### 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 technical section for advice on the use of adhesives.

### Specification

Product	BM-P3.5	BM-P5	BM-P10
Colour	Caramel	Caramel	Caramel
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%
Flammability	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		
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	6.05m x 1.22m	4m x 1.2m

### Acoustic Performance

Mean SRI for BM-P5 = 25 dB

Our technical sales department would be pleased to advise on anticipated performance when used in conjunction with other acoustic materials.