



Lamapro SoundBlok Acoustic Barrier

Soundblok is a thin highly dense flexible polymeric sound barrier, which is specially formulated to reduce noise levels and insulate acoustic enclosures.

Combining a high surface mass with 'limp' mechanical characteristics, the product offers optimum acoustic performance.

Primarily designed to improve the sound insulation value of existing panels of metal, GRP, wood, plastic etc. It is particularly effective in reducing the effect of coincidence

dip resonance found in these stiff lightweight materials.

Additionally SoundBlok can be used in composite solutions as insulating membrane coupled with acoustic absorbents or as an overlay treatment to materials or constructions with perforations or minor gaps resulting in potential sound leakage .

SoundBlok can be used in multiple layers which both increases the total applied mass and via overlapping assists acoustic integrity.

Applications

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

SoundBlok is commonly used as a high mass layer within an acoustic foam composite. The barrier is then optionally combined with absorbent layers, isolation layers, acoustic facing materials and self-adhesive backings.

Common OEM applications include Engine room lining treatments, enclosure insulation panels and sound screens.

Installation

If part of an acoustic composite the material is normally adhered to the background surface using a separate adhesive or by means of the optional self-adhesive backing (see specification sheet on self-adhesive films for properties and limitations). However mechanical fixings are recommended. If SoundBlok is used in Isolation and in a vertical orientation then load spreading washers or clamping plates should be employed to prevent tearing.

Please contact our technical team for advice on suitable adhesives.

Specification

Product	Lamapro SoundBlok Acoustic Barrier
Type	High Mass Polymer
Colour	Graphite
Density	~2,000 kg/m ³
Hardness	80-85°
Tensile Strength	5.75 N.mm ²
Elongation at break	~100%
Fire Performance	FMVSS 302 : Pass
Tear Resistance (ISO 34-1)	>0.6 kN/m
Maximum application temperature	+100°C
Continuous application temperature	+75°C

Acoustic Performance

Mean SRI = 22dB

Our Acoustic team would be pleased to advise on anticipated performance when used in conjunction with other acoustic materials.

