



Acoustic Sheet SEAL 5300

Description: Sealumet SEAL 5300 is a flexible loaded, vinyl sound barrier designed to have a heavy mass and improve acoustic insulation. It is made of high-density barium sulphate loaded thermoplastic polymer plasticized containing mineral fillers. Black in colour, ecologically neutral and recyclable, the material is bitumen free.

Application: Sealumet SEAL 5300 is designed to improve the sound insulation of existing piping, ducts and other structures. It is normally fixed directly in contact with the substrate and can also be applied on the intermediate layers. The substrate can be existing panels of metal, wood, plastic etc., applicable to all frequencies. The material can be used as either a single sound barrier layer such as a noise curtain, or as part of a composite combined with sound absorbing materials such as mineral wool or foam for soundproofing materials.

Composition : Sealumet SEAL 5300 is made of naturally occurring minerals like barium sulphate and calcium carbonate. The product is free of lead, unrefined aromatic oils and bitumen. It has very good resistance to mineral oils, greases, weak acids and alkalis.

Physical Properties(Typical)

Color	Black
Size	1100mm x 21m, Other Dimensions and width available on request.
Normal Thickness	2.0 mm \pm 5%
Weight	5Kg/m ²
Density	2300Kg/m ³
Hardness	\geq 90 Shore A
Tensile Strength	\geq 2.6Mpa
Tear Strength	13.4 Kg/cm
Flammability	Self-Extinguishing according to ASTM D1692-68, FMVSS-302, DIN75200(ISO3795B $<$ 1.7mms ⁻¹)
Operating Temp	-50°C to 100°C

Note : Sealumet SEAL 5300 is made to manage weight tolerance and not thickness.

DISCLAIMER

These data sheets are based on specifications, data and test results at time of publication. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability for an intended use is the responsibility of the user. As choice of material, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages.

Acoustic Sheet SEAL 5300

Installation Guidelines

Sealumet SEAL 5300 barrier is simple to install either direct to the noise source or in conjunction with a spaced layer; the product can be laid directly. The barrier can be fixed in place by mechanical means i.e. pins, hangers or banding, or bonding using a polyurethane based contact adhesive or alternatively using a solvent based acrylic pressure sensitive adhesive. It is important to ensure that the surface is clean and free from dust and grease.

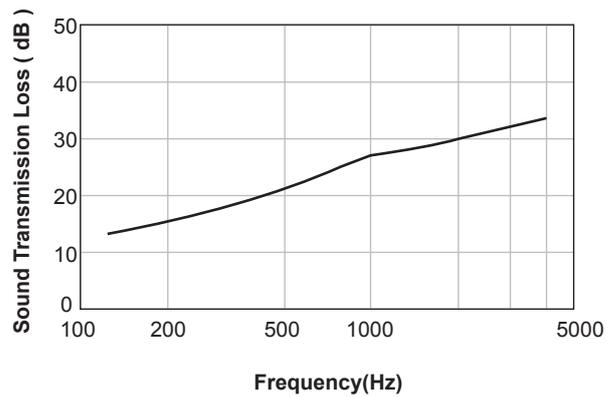
Advantages:

- Available in sheet or roll form
- Flexible and easily cut
- Easy to handle and install
- Available in various weights
- Provides a cost effective sound barrier solution
- Available with self-adhesive backing or Class 'O' foil facing



Mean Sound Reduction Index : 25dB

Sound Transmission Loss (dB)						
Frequency	125 (Hz)	250 (Hz)	500 (Hz)	1000 (Hz)	2000 (Hz)	4000 (Hz)
Measured Value	13	18	21	27	30	34



DISCLAIMER

These data sheets are based on specifications, data and test results at time of publication. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability for an intended use is the responsibility of the user. As choice of material, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages.