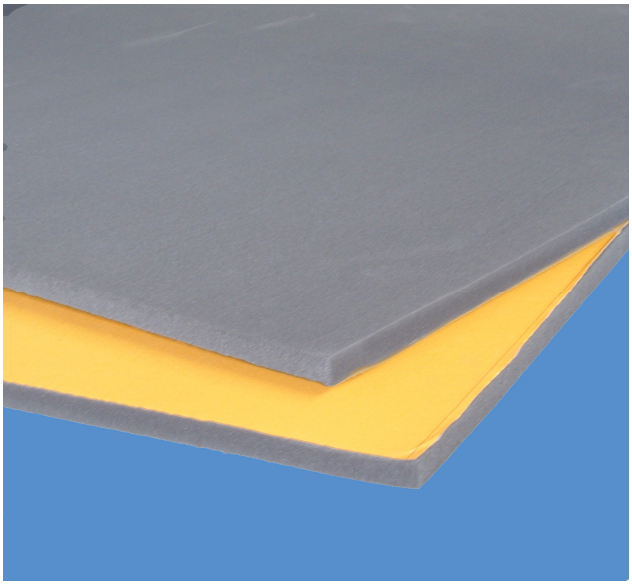
Lamaphon

Lamaphon ’A’ Series Acoustic Foam

DATA SHEET 7010



Lamaphon ‘A’ Series Acoustic Foam

Lamaphon 'A' Series acoustic foam is a flexible open cell material offering durability and excellent sound absorbing qualities.

The material is chemically inert, non-dusting and due to its flexibility is easily applied to curved surfaces or deformed to fit complex shapes.

The product is available with a self adhesive backing and a wide variety of applied surface facings.

Additionally, the product can be supplied in composite form with lead foils, plastisol barriers and damping sheets.

Applications

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

Some applications use the product as a component layer within a bespoke Lamaphon composite material. The sound absorbents is then optionally combined with, barriers layers, facings and self-adhesive backings.

Common applications include: internal lining of ductwork, modular absorber panels, Absorption linings in Marine and automotive vehicles.

Installation

In general the material can be either adhered in place using a separate contact adhesive or using our self adhesive backed version or can be through mechanical fixed using insulation hangers and washers.

Please contact our technical section for advice on the use of adhesives.

Table 1: Specification

Foam material	Lamaphon ‘A’ Series
Type	Open-cell polyether foam
Colour	Light grey
Density	26-30 kg/m^3
Flammability	BS4735 Self-extinguishing
	ASTM D1692 Max extent burn 60mm
	FMVSS 302 Pass
	UL94 : Class 94 HBF
Thermal conductivity	0.036 W/m.k
Service temp range	-30 to 110^{o}C
Standard Sheet size	1800 x 1200mm
Standard Thickness	6, 9, 12, 18, 25, 40, 50 and 100mm
Other forms	Rolls and die-cut parts

Table 2: Performance

Material thickness	Absorption Coefficients					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25mm	0.10	0.20	0.45	0.60	0.70	0.80
50mm	0.26	0.60	0.96	1.10	1.06	1.02

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

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