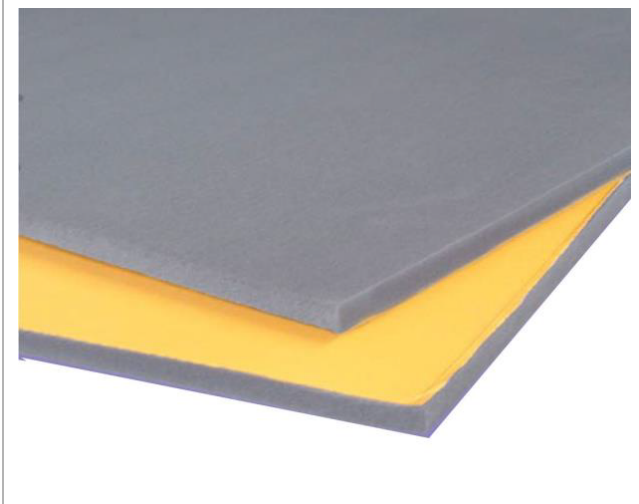




Acoustic Foam

AF/AFSA



Description

'A' series acoustic foam is flexible open cell polyether material offering durability and excellent sound absorbing qualities.

Common applications include: internal lining of ductwork and ventilation equipment, spatial absorbers, ceiling tiles, absorber panel infills, absorption linings in marine craft, automotive vehicles, generators, compressors, process plant and electrical equipment.

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

- UL94-HF1 & FMVSS.302 fire performance (selfextinguishing)
- Good broadband sound absorption
- Can be supplied as a composite solution

Installation

The material is normally adhered to the background surface using a separate adhesive or by means of the optional pressure-sensitive adhesive backing.

The adhesive is a modified polyacrylic, with good initial adhesion that increases with time, resulting in strong final bond strength. It possesses excellent moisture and weathering resistance. It also has very good adhesion to low surface energy substrates together with a very high heat resistance.

Additionally the product can be mechanically fixed (using large headed fixings or spreader washers).

Can be supplied with high performance acrylic pressure-sensitive adhesive (PSA) backing.

Acoustic Performance

Thickness (mm)	Sound Absorption Coefficients					
	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
6	-	-	-	-	-	-
10	0.05	0.10	0.20	0.35	0.45	0.65
25	0.10	0.20	0.45	0.60	0.70	0.80
50	0.26	0.60	0.96	1.10	1.06	1.02

Technical Specification

Standard nominal sheet	2000 x 1200 mm
Size Colour	Grey
Thermal conductivity	0.036 W/mK
Service temperature	-30 to +110 °C
Fire resistance (BS4735)	Self-extinguishing
ASTM D1692	Max. extent burn 60mm
UL 94	HF1
FMVSS 302	Pass
Adhesive support	without carrier, transfer
Adhesive interliner	Release paper, yellow, 90 g/m ²
Adhesive weight	70 g/m ²
Total adhesive thickness	0.07 mm
Adhesive temp. resistance	-40 to +160 °C
Adhesive strength	-min. 22 N/ 25 mm contact time 1hr

Environmental

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