

SoundFoam 0

SoundFoam 0 is a fire resistant, industrial open cell acoustic foam offering excellent sound absorption over a wide range of frequencies. It is available plain or self-adhesive backed.

It is easy to handle cut and install. It is supplied in sheet form ranging from 6mm to 50mm thick, or it can also be supplied die-cut or slit to size and shape. The product is available with a wide range of functional or decorative facings and fabrics.

SoundFoam 0 can be supplied as part of an acoustic composite product with mass loaded barriers or vibration damping sheets.

SoundFoam 0 is impregnated with a fire retardant chemical agent that enables the material to achieve Class 0 fire rating as defined by the building regulations.

Specifications

COLOUR Black	NOMINAL DENSITY 90kg/m ³
NOMINAL HARDNESS RANGE 120 – 180 Newtons	NOMINAL TENSILE STRENGTH Not less than 70 Kpa
FIRE PERFORMANCE Class 0 when tested to BS476 Parts 6 & 7 of the building regulations ASTM E84 – Class A	OPERATING TEMPERATURE -40°C to +110°C
ELONGATION AT BREAK Not less than 90%	THERMAL CONDUCTIVITY 0.052 W/mK

Acoustic Performance

Thickness	Sound Absorption Coefficient					
	125Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25mm	0.09	0.22	0.38	0.52	0.63	0.73
50mm	0.24	0.47	0.75	0.84	0.87	1.02

Applications

SoundFoam 0 is used as an acoustic absorber for industrial, studio or architectural applications. It is also used extensively in the following situations:

- Air conditioning and air duct systems
- Compressors and generators
- Enclosures
- Automotive and marine applications

