

Foam

– SoundDead 240

SoundDead 240 is a high performance acoustic absorption foam that is designed for demanding applications. Through its structure, formulation and composition this material can offer around twice the acoustic performance in a given thickness when compared with traditional materials. This allows designers and specifiers to reduce the space that they consume and to reduce the noise that users experience.

It is the result of 4 years of research into Para-elastic materials that exhibit potential acoustic absorption capabilities. By modelling and optimising the material's micro-structure, this product is designed to have very high levels of absorption across the frequency range.

SoundDead 240 can also be specially designed to meet the specific needs of the customer by being designed to focus its absorption at particular problem frequencies. This allows for a greater enhancement of the products noise control capabilities.

Applications

- HVAC – Fan coil units, duct linings, cabinet linings and chiller systems
- General Mechanical & Industrial – Enclosure and cabinet linings, reverberation control.
- Gas & Oil Facilities – Engine room and pipeline insulation.
- Heavy Automotive – Engine component lining and under bonnet insulation.
- White Goods – Internal side panels and air intake linings.

Specification

DENSITY
240kg/m²

THICKNESS
6mm, 10mm, 15mm
20mm & 25mm

TEMPERATURE
RESISTANCE
-40 TO +85°C

FLAME RESISTANCE
Class 1, BS476
Part 7 - UL94V0

Acoustic Performance

Thickness (mm)	Frequency (Hz)					
	125	250	500	1k	2k	4k
6	0.01	0.03	0.07	0.18	0.39	0.74
10	0.01	0.04	0.15	0.46	0.87	0.94
15	0.03	0.11	0.38	0.80	1.03	0.89
25	0.09	0.28	0.77	1.03	0.94	0.90

