

Foam Grade: FIRESEAL

Fireseal is a highly modified, flexible, open cell polyurethane acoustic foam. Engineered to offer the best possible level of fire resistance, it passes top-tier safety tests, whilst maintaining excellent sound absorption properties.

Non-fibrous and impregnated with antibacterial/fungal additives, Fireseal provides high safety standards in any environment. Below you will find technical data for this specialist acoustic foam grade.

Туре	Impregnated PU Foam	
Colour	Dark Grey	
Density	>90kg/m3	
Thickness	6mm - 100mm	
Operating Temperature	-30°C to 100°C	
Fire Performance	EN 13501-1 Euro Class*	B-s1,d0
	BS 476 Part 6 Fire Propagation Index	<12 >6mm
	BS 476 Part 7 Surface Spread of flame	Class 1
	Building Regulations Paragraph A13 (b)	Class O
	ASTM E84-09 Surface Burning Characteristic	Flame Spread index 10
	Smoke Developed Index 20	
	ASTM C411-04 Hot Surface Performance @100ºC 96hr	Pass
	UL94 Classification	94-V-0
	ASTM C1071-05 12.7 Air Erosion Resistance 6 - 50mm	Pass
	ASTM D-2020-92 Mildew (Fungus) Resistance	Does not support growth
	ASTM G21-96 Fungus Resistance Test	Does not support growth
	ASTM C1104-06 Water Vapour Sorption	<9%
	ASTM C518-04 Thermal Conductivity	0.32 Btu-in/ft2-hrºF @6mm

ACOUSTIC PERFORMANCE

Fireseal has proven to offer excellent low frequency sound absorption, as well as high absorption levels in the mid to high frequency range. Here you'll find its Noise Reduction Coefficient rating and other technical data.

Sound Absorption @ 12mm	NRC-0.25
Sound Absorption @ 25mm	NRC-0.45
Sound Absorption @ 75mm	NRC-0.75



NOTE: The technical information provided is taken from laboratory tests conducted by an independent body to help determine appropriate usage when requested by a customer. As GB Foam cannot control the final application of the material, no warranty, suitability, or overall result is implied. Suitability for end use of this product should be solely determined by the customer.

THE BENEFITS OF FIRESEAL

Fireseal is a highly advanced acoustic foam. It adheres to strict fire safety standards, whilst offering superior performance in acoustic treatment. Here are just a few reasons why so many have made it their number one choice.



TOP ACOUSTIC PERFORMANCE

Fireseal offers high sound absorption across the full frequency spectrum.

Its sound dampening performance is exceptional. When applied to rigid substrates, it can improve sound breakout significantly.



SUPERIOR FIRE RESISTANCE

Fireseal passes the world's highest fire resistance tests.

It is classified to - BS 476 Part 6 & 7 (Class "0"), EN 13501-1 Euro Class B-s1, dO and UL94 94-V-O fire safety standards.



ANTIBACTERIAL PROPERTIES

Treated with antibacterial & antifungal agents, Fireseal is non-fibrous and does not shred in high-velocity airflow.

It is often used for lining ductwork ventilation and other air-handling units.

HEALTHCARE

FIRESEAL APPLICATIONS

PACKAGING

Fireseal Acoustic Foam has many unique applications. From use on oil rigs to the manufacturing of vandal proof custodial mattresses. Below are some areas you're likely to find Fireseal in use.

