

## Firetech – Class O Acoustic Foam

Firetech has been developed to provide excellent sound absorption in the troublesome low frequency range, whilst offering high levels of absorption at the mid and high frequency scales. Firetech's acoustic ability coupled with its excellent fire resistance makes it a perfect acoustic solution for the construction industry. Firetech's high mass ensures excellent sound deadening performance when applied to rigid substrates, greatly improving sound breakout. Firetech offers excellent value for money.

### Firetech – Firespec!

The European standard EN 13501-1: Reaction to Fire provides a number of performance criteria to measure the fire characteristics of building products. Including the spread of flame and contribution to fire as well the generation of smoke and the production of burning droplets. Firetech achieves a B-s1,d0

B - Very low flammability  
s1 - Low smoke

### Easy To Work With

Firetech is a chemically inert product. It will not dust or migrate when subjected to air movement. Its flexibility offers easy application to curved or complex surfaces and can be readily cut or pressed into a variety of desired shapes.

### Resistant To Bacteria

Firetech is impregnated with anti-bacterial and anti-fungal additives making it resistant to most bacteria and fungus. Tested to ASTM D-2020-92 Mildew (Fungus) Resistance.

### Excellent Customer Service

All materials are manufactured or converted in our 40,000 sq. ft. state of the art factory in the Midlands. This allows us to provide our customers with customer service rarely seen in the acoustic industry. Free regular design forums held at our factory, see new designs and test your own.

### Standard Sizes

- 1000mm x 500mm x 25mm
- 1000mm x 2000mm x 25mm
- 1000mm x 500mm x 50mm
- 1000mm x 2000mm x 50mm

Custom sizes available.

**To find out more call 00 44 (0)1952 947390**



## Firetech – Data Sheet

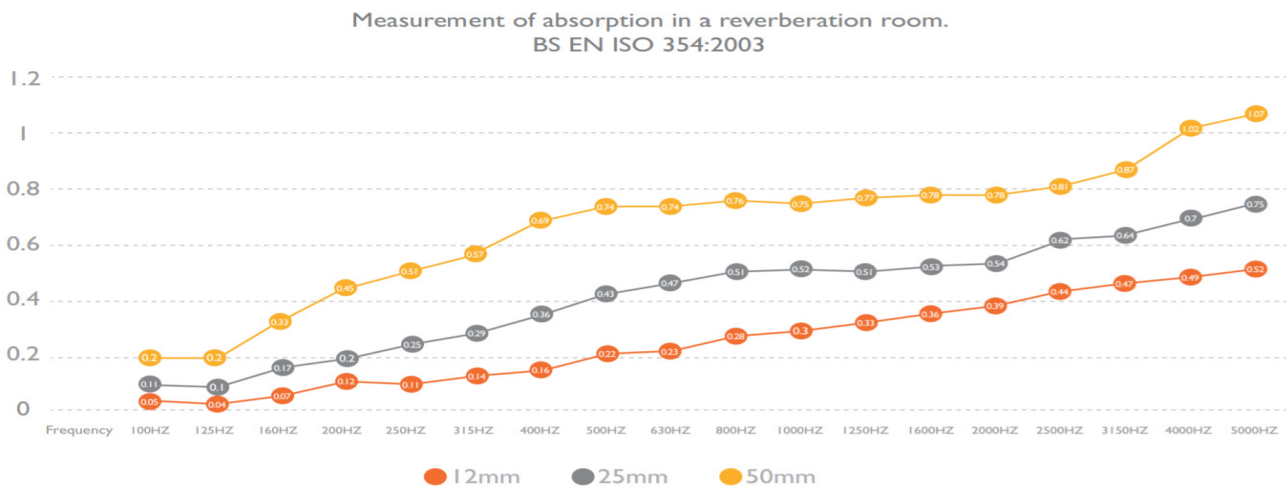
<b>Product Name</b>	Firetech
<b>Composition</b>	Impregnated PU Foam
<b>Colour</b>	Dark Grey
<b>Cutting Tolerances</b>	+/- 3mm
<b>Thickness</b>	<100mm
<b>Density</b>	90kg/m <sup>3</sup>
<b>Operating Temperature</b>	-30°C to 100°C
<b>Air Erosion Resistance 6 - 50mm</b>	ASTM C1071-05 12.7 Pass
<b>Mildew (Fungus) resistance</b>	ASTM D-2020-92- Does Not Support Growth
<b>Water Vapour sorption</b>	ASTM C1104-06 - <9%
<b>Thermal Conductivity</b>	ASTM C518-04 - 0.32 Btu-in/ft <sup>2</sup> -hr°F @6mm
<b>Fire Performance</b>	EN 13501-1 Euro Class - B-s1,d0
<b>Air Erosion Resistance 6 - 50mm</b>	Bs 476 Part 6 - <12 >6mm
	Bs 476 Part 7 - Class 1
	Building Regulations - Class 0
	ASTM e84-09 Surface Burning Characteristic
	- Flame Spread Index 10
	- Smoke Developed Index 20
	Hot Surface Performance @100°C 96hr - Pass
	UI94 Classification - 94-V-0

## Firetech - Acoustic Performance

Firetech has been developed to provide excellent sound absorption in the troublesome low frequency range, whilst offering high levels of absorption at the mid and high frequency end.

Firetech also has the ability to act as a membrane absorber across the full frequency spectrum when specified with the correct material thickness and choice of facing.

High mass ensures Firetech gives excellent damping performance when applied to rigid substrates, greatly improving sound breakout.



Sound Absorption @ 12mm aw 0.30

Sound Absorption @ 25mm aw 0.45

Sound Absorption @ 50mm aw 0.75