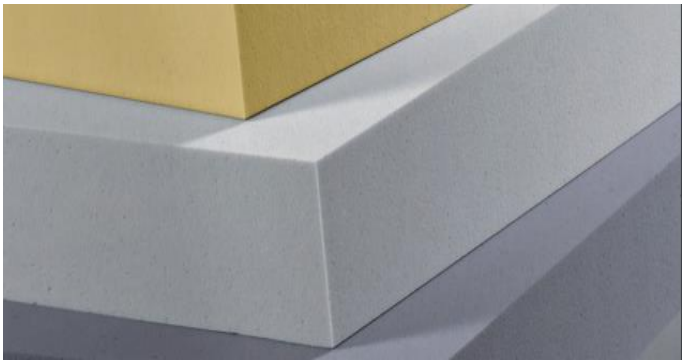
Sonatect { Fire Rated Acoustic Foam

A SOUND REDUCTION SYSTEMS PRODUCT



Key Benefits:

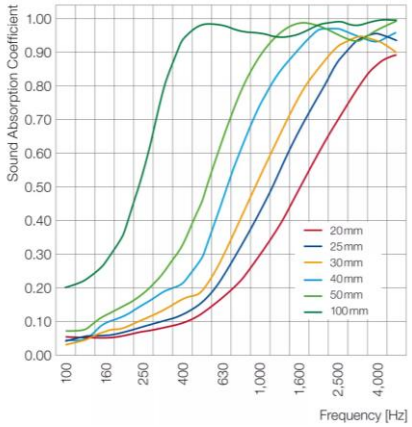
- Light grey in colour
- High sound absorption capacity
- Good thermal insulation properties
- Low weight
- Flame resistance – without the addition of flame retardants
- Constant physical properties over a wide temperature range

Sonatect is a flexible, open-cell foam made from melamine resin. Sonatect has excellent sound absorption properties, a low weight, high temperature resistance and low flammability.

Installation Guidance: Sonatect can be bonded to most surfaces using Sonatac adhesive. Sonatect is clean, easily cut, and will form to any shape. Sonatect is suitable for both building and engineering applications.

Fire Performance: Sonatect meets the most important international fire safety standards. Sonatect's long-term resistance to high temperatures and excellent fire characteristics are based on the melamine resin used. The high nitrogen content of the resin is responsible for the extremely flame-resistant property of the foam without the need to use fire retardants. Sonatect is a thermoset, and thus, in the event of a fire, the material does not melt or produce burning droplets when it comes into contact with flames. The foam simply chars and produces a small amount of smoke, and there is no afterglow, making Sonatect particularly suitable for applications with high fire safety requirements. In tests on the fire characteristics required to meet national and international standards, Sonatect achieves the highest classification possible for organic materials.

Acoustic Performance:



Sound Absorption Performance – Impedance Tube Measurement

Eco-Friendliness: Sonatect is produced without using halogenated hydrocarbons, flame retardants and/or toxic heavy metals. Sonatect does not contaminate water. The supplied product is free of blowing agents and is not subject to labelling requirements under the German hazardous material regulations.

Specifications:

Properties	Standard	Units	Values
Density	EN ISO 845	Kg/m^3	9 +/- 1.5
Compressive strength (Average value)	EN ISO 3386-1	kPa	>9
Tensile Strength (Average value)	EN ISO 1798	kPa	>120
Elongation at break (Average value)	EN ISO 1798	%	>20
Thermal Resistance defined on DIN EN ISO 3386-1 (change of initial value after exposure to heat of 22h: <50%)	DIN EN ISO 2440	°C	240
Fire behaviour Europe Great Britain	 EN 13501-1 BS 476 part 7		 B/C Class 1

Size: Sheets: 2500 x 1250 x 50mm (bespoke sizes available)

Cutting: By sharp trimming knife.

Storage: Must be kept dry and sheets laid flat.

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