Soundac® SB – polyimide foam

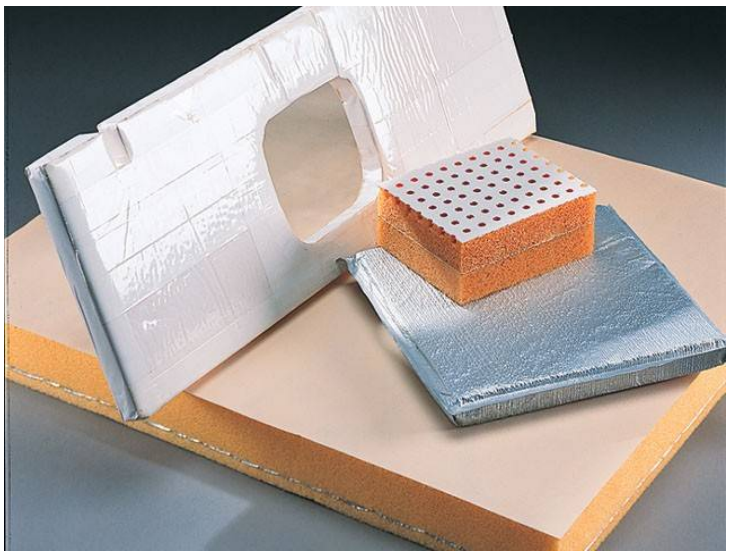
High grade sound absorption with very large temperature range and IMO certificate

Soundac® SB is a very light weight sheet for thermal insulation and sound absorption and has a very large operating temperature range from -184°C up to +200°C. The material has an IMO certificate and this makes is very well suited for e.g. navy vessels, ferries, yacht building, trains and aircrafts.

Soundac® SB is developed to absorb noise combined with an excellent thermal insulation and heat resistance. The material is inherently non-flammable, emitting virtually no smoke or toxics when exposed to open flame.

Description

Soundac® SB is a sound absorbing polyimide foam with thermal insulation properties. The material can be fitted with various finishing's. The material can be supplied in 10 up to 100 mm thickness.

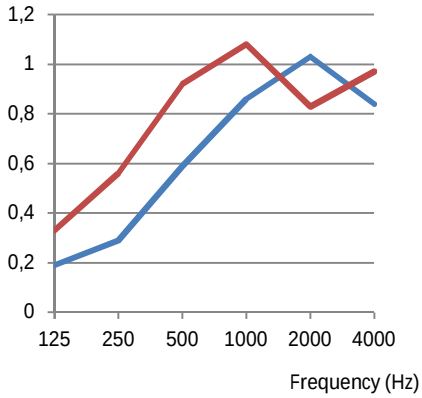


Properties

- Sound absorbing
- Thermal insulation
- IMO certificate
- Wide temperature range
- 1,220 x 610 mm

Absorption coefficient (α)

ASTM C 423 and E 795



Type	NRC
25 mm	0.70
50 mm	0.85

Converting

Soundac® SB is easily cut to size with a knife, saw or scissors. Before application the subsoil needs to be dry and free of dust and grease.

Customization

It is possible to produce specific types to your requirements. It is also possible to convert Soundac® SB in our own production facility in any desirable dimension. We have several possibilities of which we happily inform you.

Characteristics

• Type material	Polyimide foam
• Base Colour	Yellow
• Possible finishing	Coated glass cloth Reinforced aluminium Reinforced polyester film Perforated glass cloth Perforated an ribbed aluminium
• Density	6.4 kg/m³
• Operating temperature	-184°C to ca. +200°C
• Thermal conductivity	0.040 W/m°C (@ +10°C)
• Thermal resistance	≥ 22 (m·K)/W (@ +24°C)
• Radiant Panel Flame Spread	≤ 5 (index; ATSM E 162)
• Oxygen index LOI	30% (ATSM D 2863)
• Specific Optical Density of Smoke (ATSM E 662)	3 (non-flaming) 5 (flaming)

IMO-certificate

Fire restricting material as per IMO resolution MSC.40(64).

CED-MED Surface Material with low flame-spread characteristics, meeting part 2 and 5 of MO FTPC Annex 1, MCA Code LY2, RINA rules of Charter Yachts.