

MARINE BLANKET

Calcium Silicate Blanket

MANUFACTURER

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Marine Blanket



Description

Marine Blanket is an alkaline earth silicate fibre designed to be soluble in physiological solutions and to be used continuously at high temperatures with low thermal characteristics. The blanket which is made from long Superwool fibres contains no binders and there is no emission of smoke or gas during fire.

Marine Blanket is easy to handle. No special tools are needed for the installation and the blanket can be cut to shape with a knife.

Typical Applications

Marine Blanket constitutes an integrated and approved part in FireSeal's penetration sealing programs and it is suitable for both cellulosic and hydrocarbon fire protection applications.

Some typical examples:

- Penetration seal infill.
- Heat insulation of penetrating pipes.
- Heat insulation of sleeves or boxes.
- Damming of penetration seals.
- Backing to sealant in joint seals.

Technical Data

Colour	White
Density	96 Kg/m ³
Classification temperature	1050°C
Specific heat at 540°C	1.05 kJ/kg°K
Linear shrinkage at 800°C	0.5 %
900°C	1.5 %
1000°C	2.5 %
Thermal conductivity at 200°C	0.06 W/m°K
300°C	0.08 W/m°K
400°C	0.11 W/m°K
500°C	0.14 W/m°K
600°C	0.17 W/m°K
Tensile strength	0.75 kg/cm ²
Standard thickness	25 mm

Fire Protection Properties

Flame spread	Zero
Fuel contribution	Zero
Smoke development	Zero
Combustibility to IMO A.472 (12)	Non-combustible

Acoustic Performance

Sound absorption coeff. at	2 kHz	0.96
	4 kHz	0.99
Noise reduction coeff.		0.72
Sound attenuation at	2 kHz	20 dB
	4 kHz	27 dB

Sizes and Package

Standard roll 7.3 x 0.61 m; Packed in cardboard box

Shelf Life

Unlimited if stored dry.