

PROMAGUARD® panels are flexible microporous insulation panels with very good thermal properties. The panels are produced in a glass cloth outer envelope, making them clean & easy to handle. The formulation is an opacified blend of filament reinforced pyrogenic silica.

PROMAGUARD® is designed to meet SOLAS, IMO, & MCA standards for passive fire protection.

Properties & advantages

- Lightweight systems
- Flexible
- Extremely low thermal conductivity
- High thermal stability
- Shock + vibration resistant
- Non combustible
- Clean & easy to install
(procedure can be found on our website)
- Simple to cut & shape
(procedure can be found on our website)
- No harmful respirable fibres
- Environmentally friendly, free of organic binders
- Resistant to most chemicals

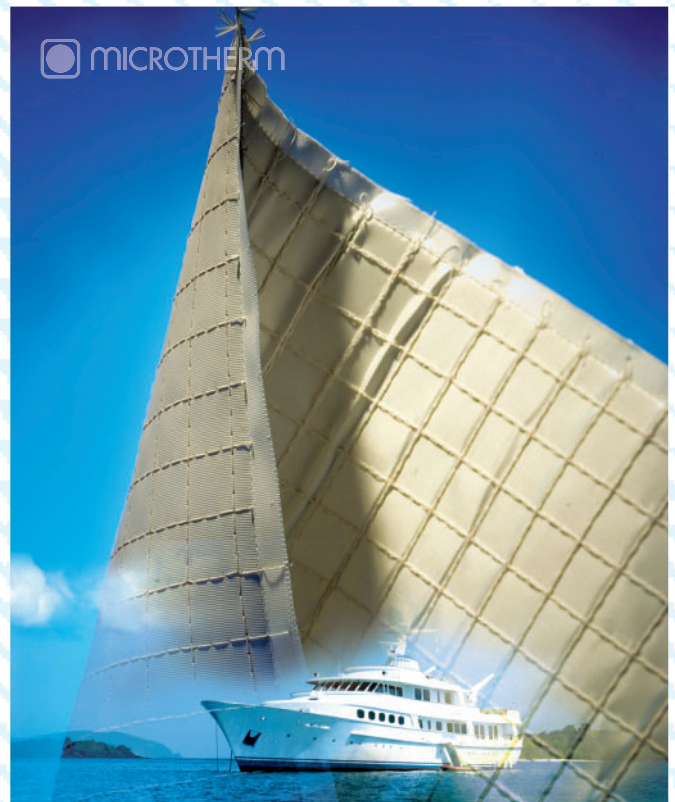
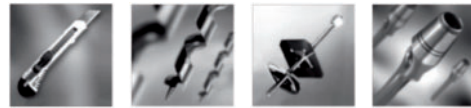
Typical applications

Microporous insulation offers an extremely low thermal conductivity, close to the lowest theoretically possible at high temperatures. Microporous materials are the preferred choice in demanding PFP (Passive Fire Protection) systems.

- PFP (Passive Fire Protection) systems for bulkheads, decks, hatches on steel, ALU, or GRP structures.
- Exhaust systems

Working & processing

PROMAGUARD® can be shaped easily with a simple cutter (the procedure can be found on our website). The panels can be fixed in place with glue or by mechanical means such as anchors, pins and clips.



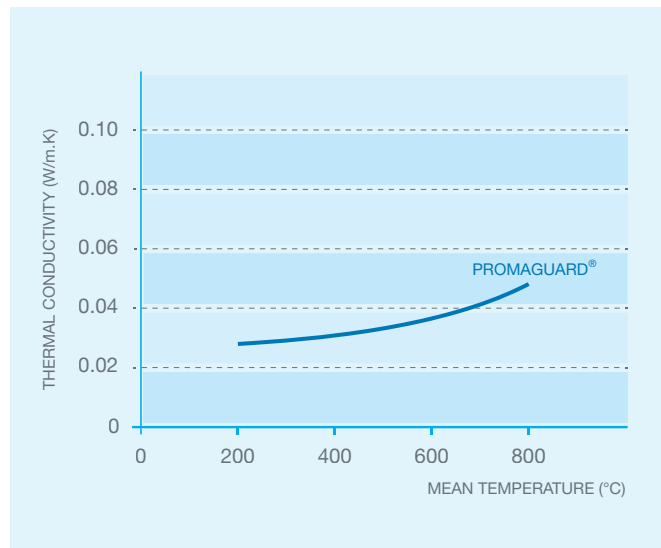


Technical data

Brand		PROMAGUARD®	
Finishing		Glass cloth (E-glass)* - ALU2	
Stitching pitch size		50x50mm	
Classification temperature	°C	1000	
Nominal density	kg/m ³	240	
Compressive strength (ASTM C 165)	MPa = N/mm ²	0.12	
Thermal conductivity (ISO 8302, ASTM C177)	200°C mean	W/m.K	0.026
	400°C mean	W/m.K	0.030
	600°C mean	W/m.K	0.038
	800°C mean	W/m.K	0.049
Specific heat capacity	200°C	kJ/kg.K	0.86
	400°C	kJ/kg.K	0.96
	600°C	kJ/kg.K	1.03
	800°C	kJ/kg.K	1.07
Shrinkage	1-sided 12h @1000°C	%	< 0.5
	Full soak 24h @1000°C		< 6

* Special coverings and coatings are available on request.

Thermal conductivity graph



Product dimensions & standard sizes

PROMAGUARD® is available in 1200x600mm panels in several thicknesses.

Length [mm]	1200
Width [mm]	600
Thickness [mm]	6 – 8 – 10 – 12

Production tolerances

Length [mm]	± 3
Width [mm]	± 3
Thickness [mm]	± 1