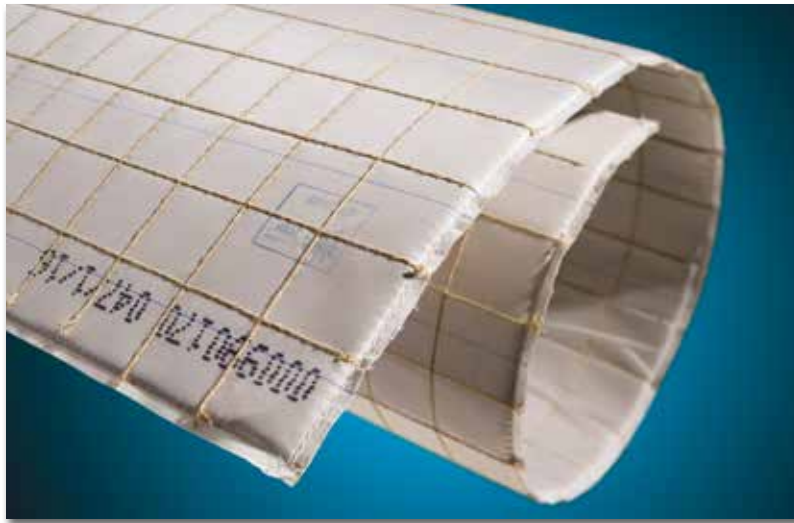


# PROMAGUARD<sup>®</sup>



### High temperature flexible microporous insulation panel

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

PROMAGUARD<sup>®</sup> is designed to meet SOLAS, IMO, and MCA standards for passive fire protection.

#### Technical data

		Glass cloth (E-Glass)* - ALU2
Standard finishing		Glass cloth (E-Glass)* - ALU2
Stitching pitch size	mm	50 x 50
Classification temperature	°C	1000
Nominal density	kg/m <sup>3</sup>	240
Compressive strength (ASTM C165)	MPa = N/mm <sup>2</sup>	0.12
<b>Thermal conductivity (ISO 8302, ASTM C177)</b>		
200 °C	W/m K	0.026
400 °C	W/m K	0.030
600 °C	W/m K	0.038
800 °C	W/m K	0.049
<b>Specific heat capacity</b>		
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
<b>Shrinkage</b>		
1-sided 12h - 1000 °C	%	< 0.5
Full soak 24h - 1000 °C	%	< 6

\* Special coverings and coatings are available on request.

#### Delivery sizes

Length	mm	1200
Width	mm	600
Thickness	mm	6 / 8 / 10 / 12

#### Production tolerances

Length	mm	± 3
Width	mm	± 3
Thickness	mm	± 1

# PROMAGUARD<sup>®</sup>

### Properties & advantages

- lightweight systems
- flexible
- extremely low thermal conductivity
- high thermal stability
- shock and vibration resistant
- non-combustible
- clean and easy to install  
(procedure can be found on our website)
- simple to cut and shape  
(procedure can be found on our website)
- no harmful respirable fibres
- environmentally friendly, free of organic binders
- resistant to most chemicals

### Application areas

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.

#### MARINE

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



### Working & processing

PROMAGUARD<sup>®</sup> 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.

Dust is produced during procession. Dust can be harmful to health. Avoid contact with eyes and skin. Do not breathe in the dust. Dust should be removed by suction. The dust limits are to be adhered to. See product safety information sheet.

### Thermal conductivity

