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## DESCRIPTION

Fibermax Blankets are high temperature, lightweight, needled blankets manufactured from polycrystalline mullite fibre that can be exposed to temperatures up to 1600°C. Fibermax Blankets are completely inorganic and so retain their strength, flexibility and thermal properties in many working environments, without the generation of smoke or fumes. Available in a range of density and thickness combinations, Fibermax Blankets can be used in a wide variety of applications. They are especially suited to environments where the presence of 'shot' (unfibreised particles) is undesirable or where resistance to corrosive agents is essential.

## GENERAL CHARACTERISTICS

Fibermax Blankets have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity and heat storage
- High tensile strength & resiliency
- Resistance to thermal shock & chemical attack
- Excellent flexibility

## TYPICAL APPLICATIONS

### Metallurgy

- High temperature heat treatment furnaces

### Ceramic

- Porcelain kilns

### Speciality Applications

- Incineration

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

## TYPICAL PRODUCT PARAMETERS

	Fibermax	
<b>Typical Chemical Analysis (wt.%)</b>		
Al <sub>2</sub> O <sub>3</sub>	≥72.0	
Al <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub>	≥99.0	
<b>Physical Properties</b>		
Colour	White	
Classification Temperature (°C) *	1600	
Fibre Diameter (microns)	4.0 - 6.0	
<b>Permanent Linear Shrinkage (%) 24 hour soak</b>		
1500 °C	0.7	
<b>Density (kg/m<sup>3</sup>)</b>	<b>100</b>	<b>130</b>
<b>Thermal Conductivity (W/mK)</b>		
<b>Mean Temp.</b>		
800 °C	0.20	0.18
1000 °C	0.29	0.25
1200 °C	0.42	0.36

\*Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

## AVAILABILITY

Thickness (mm)	Density (kg/m <sup>3</sup> )		Roll Length (m)
	100	130	
13*	✓	✓	7.20
25	✓	✓	7.20

Standard roll width is 610mm. Other thicknesses / sizes may be available on request subject to minimum order requirements.

\* 2 rolls per carton.

## HANDLING INFORMATION

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Supplied by:

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