Insulfrax® LT Blanket

Start saving energy now.
Contact your local distributor.

Unifrax Ltd.

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DESCRIPTION

Insulfrax LT Blanket is the latest addition to our Insulfrax Blanket range. This blanket offers the same benefits as the other Insulfrax blankets but with physical properties enhanced to improve thermal performance. Insulfrax LT 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, Insulfrax LT Blankets can be used in a wide variety of applications and are especially suited to use as high temperature wraps and heat shields.

GENERAL CHARACTERISTICS

Insulfrax LT Blankets products have the following outstanding characteristics:

- Exceptional insulating properties
- High temperature stability (up to 1200°C)
- Resistance to thermal shock
- Good handling strength
- Excellent flexibility
- Good sound absorption

TYPICAL APPLICATIONS

- Cogeneration and power plant duct linings
- Passive fire protection
- Pipe, duct and chimney insulation
- Heat shields
- Mould wrap insulation

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TYPICAL PRODUCT PARAMETERS

	Insulfrax LT Blanket	
Typical Chemical Analysis (wt.%)		
SiO_2	61.0 - 67.0	
CaO	27.0 - 33.0	
MgO	2.5 - 6.5	
Al_2O_3	<1.0	
Fe_2O_3	<0.6	
Physical Properties		
Colour	White	
Classification Temperature (°C) *	1200	
Melting Point (°C)	>1330	
Mean Fibre Diameter (microns)	3.0	
Permanent Linear Shrinkage (%) 24 hour soak		
1200 °C	1.0	
Density (kg/m³)	***96***	***128***
Thermal Conductivity (W/mK)		
Mean Temp.		
200 °C	0.06	0.05
400 °C	0.09	0.08
600 °C	0.14	0.12
800 °C	0.20	0.18
1000 °C	0.29	0.25

*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/m³)		Roll Length (m)
	96	128	
13	✓	✓	14.64
25	✓	✓	7.32
38	✓	✓	5.00
50	✓	✓	3.66

Standard roll width is 610mm or 1220mm. Other thicknesses / sizes may be available on request subject to minimum order requirements. Versions with aluminium foil and other coverings are available subject to order.

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: