



DESCRIPTION

Insulfrax WR Blanket is a water repellent, lightweight, flexible needed blanket manufactured from Insulfrax alkaline earth silicate wool. Specially developed to resist water ingress, Insulfrax WR Blanket is especially suited for fire protection in offshore and other high humidity environments. Available in a variety of density and thickness combinations, WR blankets provide effective solutions in a variety of high temperature applications.

GENERAL CHARACTERISTICS

Insulfrax WR Blanket has these outstanding characteristics :

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

TYPICAL APPLICATIONS

- Fire partitions
- Fire door infill
- Deck and bulkhead fire protection
- Penetration seals
- Vessel and pipe work fire protection
- Structural steel and valve protection

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.

*Start saving energy now.
Contact your local distributor.*

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TYPICAL PRODUCT PARAMETERS

<i>Insulfrax WR Blanket</i>	
Typical Chemical Analysis (wt.%)	
SiO ₂	61.0 - 67.0
CaO	27.0 - 33.0
MgO	2.5 - 6.5
Al ₂ O ₃	<1.0
Fe ₂ O ₃	<0.6
Water repellent coating	<1.0
Physical Properties	
Colour	White
Classification Temperature (°C) *	1200
Melting Point (°C)	>1330
Mean Fibre Diameter (microns)	3.0
Water Absorption (% by weight)	5.0
Thermal Resistance 'R' Values (m²K/W)	
Blanket Thickness (mm)	
25	0.73
38	1.10
50	1.46
75	2.19
100	2.93

*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. Water Absorption measured according to BS 2972: 1989:Section 12. For thermal resistance values the thermal conductivity of 96kg/m³ density blanket was measured to BS 874: 1986:Section 2.1.

AVAILABILITY

Thickness (mm)	Density (kg/m ³)		Roll Length (m)
	96	128	
25	✓	✓	7.32
38	✓	✓	5.00
50	✓	✓	3.66

Standard roll width is 610mm. 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:

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