Insulfrax® Paper

DESCRIPTION

Insulfrax Paper products are manufactured from Insulfrax alkaline earth silicate wool, blended with specially selected organic binders to give flexible papers with exceptional characteristics. Advanced production techniques ensure a highly uniform structure enhanced by low thermal conductivity, good handling strength and a smooth surface. Insulfrax Papers are available in a range of thicknesses and roll sizes.

GENERAL CHARACTERISTICS

Insulfrax Paper has the following outstanding characteristics:

- High temperature stability (up to 1200°C)
- Good handling strength
- Lightweight
- Excellent flexibility
- Easy to wrap, cut and shape

TYPICAL APPLICATIONS

- High temperature gaskets and seals
- Ingot mould liners
- Automotive heat shields
- Molten metal transfer systems (back-up insulation)
- Expansion joints

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.

Unifrax Ltd.

T:+44 (0)1744 88 7600   F:+44 (0)1744 88 9916

www.unifrax.com

Insulfrax® Paper

TYPICAL PRODUCT PARAMETERS

	Insulfrax Paper
Typical Chemical Analysis (fibre 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
Melting Point (°C)	>1330
Product Density (kg/m^3)	150
Tensile Strength (kPa)	>350
Paper Type	Washed
Classification Temperature (°C) *	1200
Loss on Ignition (wt.%)	<12.0
Thermal Conductivity (W/mK)	
Mean Temp.	
200 °C	0.05
400 °C	0.08
600 °C	0.11
800 °C	0.15
1000 °C	0.20
Permanent Linear Shrinkage (%) 24 Hour Soak	
1200 °C	<4.0

*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 operational 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. Thermal Conductivity measured in accordance with ASTM C-201.

AVAILABILITY

Thickness (mm)	Insulfrax Paper	Roll Length (m)		
	Roll Width (mm)	610	1000	1260
1	✓	125	330	330
2	✓	60	180	180
3	✓	35	110	110
4	✓	25	80	80
5	✓	20	60	60
6	✓	15	45	45

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: