



DESCRIPTION

Insulfrax® Paper products are manufactured from Insulfrax® Alkaline Earth Silicate (AES) or Low Bio Persistent (LBP) 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
- Light weight
- Excellent flexibility
- Easy to wrap, cut and shape

TYPICAL APPLICATIONS

- High temperature gaskets and seals
- Ingot mould liners
- Industrial & Automotive heat shields and Silencer Insulation.
- Molten metal transfer systems (back-up insulation)
- Expansion joints
- Insulation of Domestic Appliances

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.

*greener
cleaner
safer*
specialty fibers for
a greener, cleaner, safer world

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UNIFRAX

TYPICAL PRODUCT PARAMETERS

Insulfrax® Paper	
Typical Chemical Analysis (fibre wt. %)	
CaO	27 - 33
MgO	2 - 7
SiO ₂	61 - 67
Al ₂ O ₃	< 1
Fe ₂ O ₃	< 0.6
Loss on Ignition (wt.%)	< 12
Physical Properties	
Colour	White
Paper Type	DS
Classification Temperature (°C)	1200
Use Limit (°C)	1100
Melting Point (°C)	> 1310
Density (kg/m ³)	150 - 210
Tensile Strength (kPa)	> 350
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

AVAILABILITY

Thickness (mm)	Roll Size (mm)	Sheet Size (mm)	Sheets per Carton
1	1220 x 40000	1000 x 1000	50
2	1220 x 30000	1000 x 1000	30
3	1220 x 20000	1000 x 1000	20
4	1220 x 15000	1000 x 1000	15
5	1220 x 12000	1000 x 1000	12
6	1220 x 10000	1000 x 1000	10

Other thicknesses / sizes may be available on request subject to minimum order requirements.

Thermal Conductivity figures are empirical values (average) based on experience.

Use limit refers to the maximum short term temperature limit. The maximum continuous use limit for Papers depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

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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