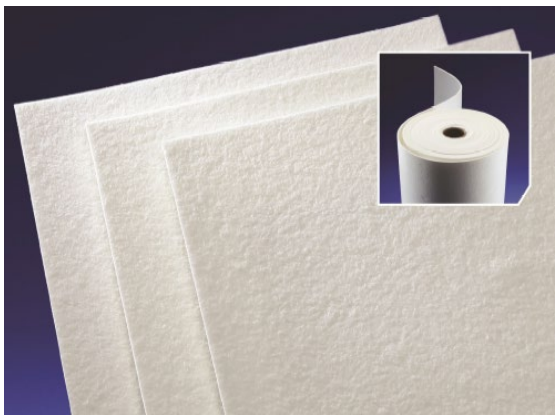
FIBERFRAX H PAPERS



Fiberfrax Papers are manufactured from Fiberfrax refractory ceramic fibres, 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. Fiberfrax Papers are available in a range of thicknesses and roll sizes.

General characteristics

Fiberfrax Papers have the following outstanding characteristics:

- High temperature stability
- High resiliency
- Lightweight
- Excellent flexibility
- Easy to wrap, cut and shape

Typical Applications

- High temperature gaskets and seals
- Ingot mould liners
- Automotive heat shields and silencer insulation
- 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

Typical Chemical Analysis (fibre wt. %)	
	H
SiO_2	42,0 -52,0
Al_2O_3	48,0 – 58,0
Fe_2O_3	< 0,2
Alkalis	< 0,25

Typical Physical Properties	
	H
Colour	White
Melting Point (°C)	1800
Product Density (kg/m³)	180-280
Tensile Strenght (kPa)	> 350
Paper Type	Washed
*Classification Temp. (°C)**	1400
Loss on ignition (wt. %)	< 12,0

LEADER IN HIGH TEMPERATURE SOLUTIONS

TECHNICAL DATASHEET

Insulcon B.V.- The Netherlands - Tel: +31 (0) 167 565750
Insulcon GmbH - Germany - Tel: +49 (0) 2131 408548-0
Insulcon N.V. - Belgium - Tel: +32 (0) 3 711 02 78
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FIBERFRAX H PAPERS

Thermal Conductivity Data (W/mK)	
Mean Temperature .	**H**
600°C	0,11
800°C	0,16
1000°C	0,21

Permanent Linear Shrinkage (%) 24 hour soak	
	H
1250°C	-
1400°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 us. Where appropriate Physical Properties data measured according to EN 1094-1.

Availability

Thickness		**Roll Length (m)**		
Roll Width (mm)		***610***	***1000***	***1260***
1 mm	✓	125	380	380
2 mm	✓	60	180	180
3 mm	✓	35	110	110

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

Fiberfrax H Paper is manufactured using high alumina ceramic fibre, giving a paper which can be operated at higher temperatures and with an improved chemical resistance.

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