



## DESCRIPTION

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.

*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](http://www.unifrax.com)

**UNIFRAX**

## FIBERFRAX PAPERS

Fiberfrax FT Paper is a versatile insulating paper available in a wide range of thicknesses, and is suitable for use in a variety of high temperature applications.

Premium grade Fiberfrax DS Paper is produced using a unique washing process to give a paper designed for applications where extra cleanliness (less particulate) is required.

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.

## TYPICAL PRODUCT PARAMETERS

Paper	FT	DS	H
<b>Typical Chemical Analysis (fibre wt. %)</b>			
SiO <sub>2</sub>	50.0 - 54.0	50.0 - 54.0	42.0 - 52.0
Al <sub>2</sub> O <sub>3</sub>	46.0 - 50.0	46.0 - 50.0	48.0 - 58.0
Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	<0.2	<0.2	<0.2
Alkalis	<0.25	<0.25	<0.25
<b>Physical Properties</b>			
Colour	White	White	White
Melting Point (°C)	1800	1800	1800
Product Density (kg/m <sup>3</sup> )	200 - 240	160 - 200	180 - 280
Tensile Strength (kPa)	>350	>350	>350
Paper Type	Unwashed	Washed	Washed
Classification Temperature (°C) *	1250	1250	1400
Loss on Ignition (wt.%)	<12.0	<12.0	<12.0
<b>Thermal Conductivity (W/mK)</b>			
<b>Mean Temp.</b>			
600 °C	0.08	0.08	0.11
800 °C	0.11	0.11	0.16
1000 °C	0.17	0.17	0.21
<b>Permanent Linear Shrinkage (%) 24 Hour Soak</b>			
1250 °C	<4.0	<4.0	-
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 your nearest Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

## AVAILABILITY

Thickness (mm)	FT	DS	H	Roll Length (m)		
				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	60	60
7	✓			15	50	50
8	✓			10	40	40

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

## 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: