



DESCRIPTION

The Fiberfrax[®] Ceramic Fibre Paper are manufactured using our proprietary technology and offer exceptional insulating performance and flexibility.

Advance production techniques ensure a highly uniform structure characterized by low thermal conductivity, good handling strength and a smooth surface.

Premium grade Fiberfrax[®] DS Paper is produced using a proprietary washing process to give a paper designed for applications where extra cleanliness is required.

GENERAL CHARACTERISTICS

Fiberfrax[®] Ceramic Fibre Paper has the following outstanding characteristics :

- High temperature stability
- Light weight
- Excellent Flexibility
- Asbestos free
- Easy to wrap, cut and shape

TYPICAL APPLICATIONS

- Blast furnace, Stoves, Tundish, Ladle, Hot metal Cars, Troughs
- H.T. Gaskets, Mould wrapping
- Back-up insulation for Hot air ducts / Pipes
- Industrial / Automotive heat shields and Silencer insulation
- Expansion joints
- Asbestos substitute

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

Fiberfrax[®] Ceramic Fibre Paper	Z	S
Typical Chemical Analysis (wt.%)		
Al ₂ O ₃	30 - 34	42 - 46
SiO ₂	50 - 55	54 - 58
ZrO ₂	14 - 18	-
Fe ₂ O ₃ + TiO ₂	< 0.5	< 0.5
Loss on Ignition (wt.%)	< 10	< 10
Physical Properties		
Colour	White	White
Paper Type	DS	DS
Classification Temperature (°C)	1425	1260
Melting Point (°C)	> 1760	> 1760
Density (kg/m ³)	150 - 210	150 - 210
Tensile Strength (kPa)	> 300	> 300
Thermal Conductivity (W/mK)		
Mean Temp.		
400 °C	0.06	0.06
600 °C	0.08	0.08
800 °C	0.11	0.11
1000 °C	0.17	0.17
Permanent Linear Shrinkage (%) 24 Hour Soak		
1250 °C	-	< 4.0
1400 °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
8	-	500 x 1000	16
10	-	500 x 1000	14
12	-	500 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.

Classification temperature refers to the maximum short term temperature limit. The maximum continuous use limit 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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