



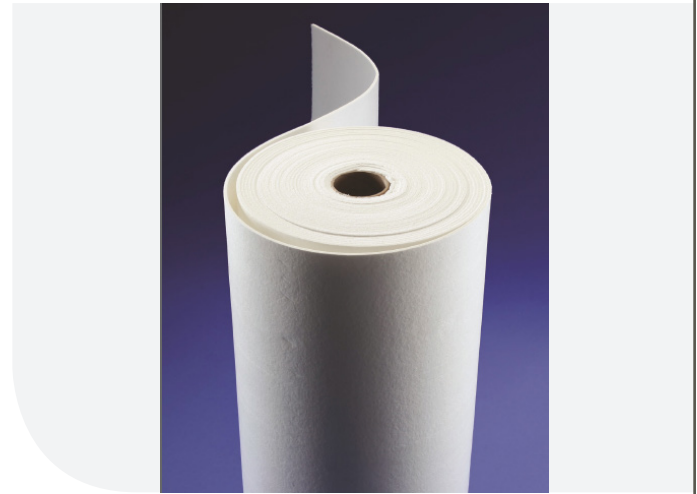
FIBERSEAL PAPER

ALKALINE-EARTH SILICATE WOOL, CERAMIC FIBRE AND MICA PAPERS

Fiberseal papers are designed for high temperature protection and are available in a variety of materials for many applications.

APPLICATIONS

- High temperature gaskets
- Liners
- Expansion joints
- Thermal barriers
- Seals
- Backup insulation
- Spacer materials
- Induction furnace insulation (mica)
- Rotary kiln applications (Y-1)



FIBERSEAL PAPER


COMPOSITION

Property	Value								
	C-1, ALISIFLEX, Fibrefrax®	C-3, ALISIFLEX, Fibrefrax	C-6, ALISIFLEX, Fibrefrax	Insulfrax®, PROMAGLAF 1200	Insulfrax, PROMAGLAF 1250	Mica Sheet	Mica Roll	Mica Combi (Combi Sheet)	Y-1
Description	High quality refractory ceramic fibre material. Highly uniform paper with unvarying thermal conductivity.	Refractory ceramic fibre material	Economical, non-woven refractory ceramic fibre matrix	Non-refractory ceramic fibre**, alkaline-earth silicate	Non-refractory ceramic	Consists of mica and silicon resin. Has uniform thickness and contains small adhesive flakes that help the roll maintain form.	Consists of mica, silicon resin and ceramic fibre. Is excellent for heat loss prevention and is a non-toxic.	Composite of spun alumina-silica refractory fibre inner core. The outer textile cladding burns away leaving the core intact. The refractory is high strength, abrasion and compression resistant.	
Colour	White	White	Grey or white	White	White	Grey	Grey or white	White	
Maximum Service Temperature	C-1: 1260°C (2300°F) Others: 1430°C (2606°F)	C-3: 1260°C (2300°F) Others: 1430°C (2606°F)	C-6: 704°C (1300°F) Others: 1430°C (2606°F)	Insulfrax: 1100°C (2021°F) PROMAGLAF: 1200°C (2192°F)	Insulfrax: 1260°C (2300°F) PROMAGLAF: 1250°C (2282°F)	1200°C (2192°F)	1200°C (2192°F)	Core: 1260°C (2300°F) Cover: 650°C (1202°F)	
Width*—cm (ft)	30, 61, 122 (12, 24, 48)	61, 122 (24, 48)	61, 122 (24, 48)	61, 122 (24, 48)	61, 100, 126 (24, 40, 50)	100 (40) 240 (94) maximum length	100 (40)	30, 61, 91, 122 (12, 24, 36, 48)	
Thickness*—mm (in)	0.76, 1.52, 3.18 (0.03, 0.06, 0.13)	1.52, 3.18, 6.35 (0.06, 0.13, 0.25)	1.52, 3.18 (0.06, 0.13)	1, 2, 3, 6 (0.04, 0.08, 0.12, 0.24)	1, 2, 3, 4, 5, 6 (0.04, 0.08, 0.12, 0.16, 0.20, 0.24)	0.10–101.60 (0.004–4.0)	2.10, 2.35, 2.50, 3.50 (0.08, 0.09, 0.10, 0.14)	0.76, 1.52, 3.18 (0.03, 0.06, 0.13)	
Area*—m² (ft²)	23, 46, 74 (247.57, 495.14, 796.53)	9, 19, 37 (96.88, 204.51, 398.27)	19, 37 (204.51, 398.27)	19, 37 (204.51, 398.27)	Various	N/A	12.50–25 (134.55–269.10)	23, 46, 74 (247.57, 495.14, 796.53)	
Density—kg/m³ (lb/ft³)	C-1: 160–192 (10–12) Others: 64–128 (4–8)	C-3: 192–224 (12–14) Others: 64–128 (4–8)	C-6: 240 (15) Others: 64–128 (4–8)	Insulfrax: 144–160 (9–10) PROMAGLAF: 64–160 (4–10)	Insulfrax: 150 (9.36) PROMAGLAF: 96–128 (6–8)	Higher density than roll material	N/A	80–128 (5–8)	

* NOTE: Size and specifications may change. Check with a Pyrotek sales engineer for availability.

** Alkaline-earth silicate wool fibres are "bio-soluble," which means they are easily cleared or expelled from the body. When inhaled, even at very high doses, they do not accumulate at a level capable of producing an adverse biological effect.

