



KAOWOOL INSULATING PRODUCTS

KAOWOOL PAPER



Kaowool Paper is a high strength paper manufactured from High Purity (1260 grade) fibre on conventional paper making machinery. Its high alumina content gives it a maximum use temperature of up to 1260°C.

Kaowool Paper has been especially developed for those industries where high strength, tough handling properties, excellent insulation and high service temperatures are of paramount importance. The organic binder used to give the paper its excellent handling burns out on the first firing without the production of the acidic fumes so common to other high strength, high flexibility ceramic fibre papers using neoprene based binders systems. The binder chosen has optimised the paper's tensile strength without impairing its flexibility.

PHYSICAL PROPERTIES		THERMAL PROPERTIES	
Maximum temperature rating (°C)	1260*	<u>Approximate Thermal Conductivity</u>	
Colour	White	Mean Temp (°C)	W/m.K
Density (kg/m ³)	230	100	0.028
Melting Point (°C)	1760	200	0.032
Specific heat Capacity (kJ/kg.K)		300	0.045
@ 980°C	1.07	400	0.060
Leachable Chlorides (ppm)	50	500	0.072
Resistivity, (23°C, 60% RH)	10 ¹² ohm-metre	600	0.090
Dielectric Strength	4.0V6um	700	0.110
CHEMICAL PROPERTIES		800	0.130
Chemical Analysis %		900	0.150
(after firing)		1000	0.172
Al ₂ O ₃	46 – 48	1100	0.192
SiO ₂	51 – 54		

MATERIAL PACKAGING

Kaowool Paper is available 610mm wide and in the following thickness' and lengths

Rated Thickness (mm)	Roll Length and Weight
0.5	80m (5.6kg)
1.0	40m (5.6kg)
2.0	20m (5.6kg)
3.0	15m (6.3kg)

TYPICAL APPLICATIONS

- Launder Applications
- Hot Tops and Casting Heads
- Parting Media, Gaskets and Seals
- Domestic Gas and Electric Appliances
- Lab Equipment
- Protection whilst brazing
- Ladle Applications, Mould Liners
- Fire Protection Applications, Expansion Joints
- Thermal and Electrical Insulation