

Kaowool 1400 Paper



MSDS Code 104-9-EURO REACH

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DESCRIPTION

Kaowool Ceramic Paper 1400 is manufactured from high purity refractory fibres and designed for high temperature insulation.

Advanced production techniques ensure uniform fibre distribution and close control of thickness and density.

Kaowool Ceramic Paper 1400 is produced from Alumina-Silicate- Zirconia fibres with the minimum addition of carefully selected bonds, which burn out cleanly in service.

TYPE

Refractory Ceramic Fibre Paper

CLASSIFICATION TEMPERATURE

1400 °C

The maximum continuous use temperature depends on the application. In case of doubt, refer to your local Murugappa Morgan Thermal Ceramics representative for advice

Combustibility

Alumino-Silicate refractory fibres are non-combustible when tested in accordance with BS 476, Part 4.

ADVANTAGES

- Good resistance to tearing
- High flexibility
- Low shot content
- Precise thickness
- Resistant to thermal shock
- Very low thermal conductivity

APPLICATIONS

- Insulating thermal break
- Insulating gaskets
- Expansion joints
- Parting media
- Die cut gaskets for domestic appliances
- Thermal barriers for vehicles (silencers, catalytic exhausts & heat shields)
- Fire protection
- Glassware Separator/ Parting agent
- Glass Sagger mold linings

AUTH. CHANNEL PARTNER - VARSHA REFRACTORIES PVT. LTD.

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Kaowool 1400 Paper



Main Properties

Classification Temperature	°C	1400
Typical Physical Properties		
Colour		White
Density	Kg/M3	150 - 250
Tensile Strength	Kgf/m2	>30,000
Linear Shrinkage(24 hrs @ 1200 C) ASTM C 356		
Loss on Ignition	%	10 Max
Linear Shrinkage(24 hrs @ 1200 C) ASTM C 356	%	2.0
Thermal conductivity (ASTM C 201) at mean temperature of :		
200 C	W/m.K	0.06
400 C	W/m.K	0.08
600 C	W/m.K	0.13
800 C	W/m.K	0.16
1000 C	W/m.K	0.20
1200 C	W/m.K	0.24

Chemical Composition

Al₂O₃	%	>32
SiO₂	%	<52
ZrO₂	%	<19.5

Availability and Packaging

Kaowool 1400 Paper is available in standard roll sizes of 1000 and 1220mm wide. It is available in the following thicknesses and standard lengths. Special roll widths and lengths can also be supplied.

Thickness	(mm)	1	2	3	4	5	6	8	10	12
Length	(mm)	40	30	20	15	12	10	10	8	8

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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