

# Ceramic Fibre Papers

## “Kaowool® 1600 Paper”

**Material Type:** Refractory alumina fibre papers.

**Classification Temperature:** 1600 °C

The maximum continuous use temperature depends on the application. Refer to our company for advice.

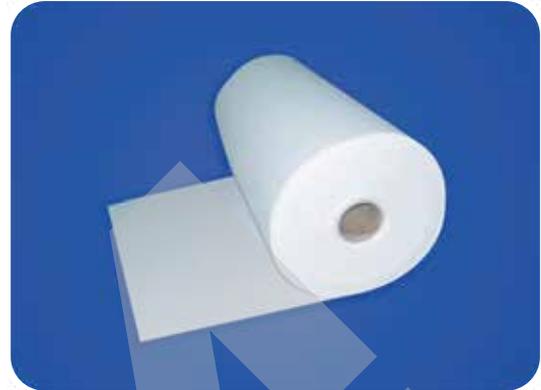
### Description

It is developed for high temperature applications up to 1600°C. Kaowool® 1600 Paper is produced by using alumina fibres with the minimum addition of carefully selected bonds, which burn out in service. The ultra-clean ‘shot’ free properties of the product used in its production ensure external handling and strength characteristics making it easy to form. Furthermore, due to the advanced production technology, it shows homogenous fibre distribution, uniform thickness and density values at all points.

Kaowool® 1600 Paper has significant benefits as a separating and parting media for vacuum brazing applications and heat treatment. Other applications include gaskets and seals in furnaces with reducing atmospheres and hot isostatic pressing.

### Features

- Good resistance to tearing.
- Excellent flexibility.
- Low shot content.
- Precise thickness.
- Smooth on both sides.
- Resistant to thermal shock.



**Main Properties (23 °C / 50% Humidity)**

Classification Temperature, °C	1600
Colour	White
Density, kg/m <sup>3</sup>	150
Melting Temperature, °C (min.)	2000
Tensile Strength, MPa	0.25
Thickness Measurement Pressure, KPa	3
High Temperature Performance	
Loss on Ignition, %	6
Thermal Conductivity, W/m.K	
100 °C	0.04
300 °C	0.06
500 °C	0.09
Chemical Composition, %	
Al <sub>2</sub> O <sub>3</sub>	88
SiO <sub>2</sub>	9
Other	3

### Dimensions

It is produced in thickness of 0.5 - 3.0 mm.

Standard roll widths are 500 mm and 1000 mm. Special dimensions can also be produced at request.

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.