



**PRODUCT INFORMATION SHEET**

**KAOWOOL INSULATING PRODUCTS**

**KAOWOOL CEMENT**



**Kaowool Cement** has a continuous service temperature of 1260°C and is a high temperature air-setting cement for use as an adhesive for ceramic fibre products, or as a refractory surface coating. It sets to form a strong, hard film that develops a ceramic bond at high temperatures, yet maintains excellent resistance to thermal shock.

Kaowool Cement is recommended as a high temperature adhesive to bond ceramic fibre products together, or to attach them to suitable refractory surfaces. It is not a contact adhesive and is not recommended for use on smooth metal surfaces.

PHYSICAL PROPERTIES	
Colour	White
Density (kg/m <sup>3</sup> )	1840 – 1950
Maximum Temperature Rating (°C)	1260
Melting Temperature after drying (°C)	1760
Specific Heat (100 – 500°C, kJ/kgK)	1.04 – 1.14
Linear Shrinkage (%)	
After firing @ 1000°C	2.15
After firing @ 1260°C	3.20
Compressive Strength (MPa)	45

**MATERIAL PACKAGING**

Kaowool Cement is supplied in 4 litre plastic Containers. This is enough material to coat an area of 2.5m<sup>2</sup> to an approximate thickness of 2mm

**INSTRUCTION FOR USE**

Kaowool Cement can be applied by brushing, or dipping. Surfaces should be free from grease and dirt. Coating thickness on solid surfaces should be as thin as possible, followed by drying at elevated temperatures up to a maximum of 90°C. At high temperatures, a hard, completely stable, ceramic film is formed.

Kaowool Cement is usually used for bonding fibre products such as board and blanket to metal surfaces or to each other. Paper, Board or Wet Felt can also be coated with Cement as a protection against high gas velocities, or against molten metal contact, eg. aluminium launders lined with Paper.