

KERAMAB® CABLED CERAMIC FIBRE ROPE – 1260°C

KERAMAB® Cabled Ceramic Fibre Rope is produced from a number of wickings, cabled together. The diameter of the rope is determined by the number and thickness of the wickings used.

Keramab® Cabled Ceramic Fibre Rope is a soft, resilient product of low density and high compressibility.

Keramab® Cabled Ceramic Fibre Rope is reinforced with glass and contains approximately 20% organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the ceramic fibre.

Chemical Properties

Keramab® Cabled Ceramic Fibre Rope exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. It also resists oxidation and reduction. If wet by water or steam, thermal and physical properties are completely restored upon drying. No water of hydration is present.

Availability

Keramab® Cabled Ceramic Fibre Rope is standard available in the following diameter sizes : 6-25 mm. Other dimension are available upon request.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Average density	400 kg/m ³ (Diameter depended)
Colour	White
Basic Composition	Alumina-Silica
Melting Point	1790°C