KERAMAB® CERAMIC FIBRE ROPE

Composed of blanket strips or bulk or ceramic fibre roving with overbraiding – 1260°C

Fibre Rope is produced from a core of strips of ceramic fibre blanket, bulk fibre or ceramic fill roving. The strips/bulk/roving can be overbraided with a metal AISI 304 wire, ceramic yarn, Ecosil silica filament, E-glass filament or Ecotex 750 HT filament.

Keramab® fibre rope is a soft resilient high temperature fibre rope, has a low organic content, is available completely organic free (except ceramic fibre roving which contains 20 % organic fibres) and with open or closed meshes.

The completely organic free version is recommended for areas where complete incombustibility is necessary such as fire seals or hot exhaust pipe wrapping.

Chemical properties

Keramab® fibre rope exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalies. 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. The resilience will decrease after a period of time therefore we would like to advise you to use/process the product shortly after delivery.

Availability

Keramab® fibre rope is available in the following diameter sizes: 10 – 60 mm. Square and rectangular sections and other sizes are also available on request.

Applications

- Doorseals in boilers, ovens, reformers and other chemical furnaces, glass furnaces, etc.
- Seals between kiln cars (ceramic industry).
- Expansion joints in buildings (Rf = 2H) (certificate from the University of Gent available upon request).
- Seals for domestic appliances.
- Seals between boiler sections.
- Seals for continuous casting (“dummy bar seals”).
- Seals for thermocouple tubes.
- Thermal insulation of steam-pipes in wells.

Typical physical properties

Average density	200 – 600 kg/m³
Colour	White
Basic composition	Alumina-Silica
Melting point	1790°C

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