

GOLDEN SUPER ROPE

Keramab's Golden Super® Rope (GSR) is a unique high temperature and mechanical resistant seal. These seals are braided with **E-Glass, Ecotex 750 HT or Ecosil® 1000 (Silica) yarns or a mix of all these yarns.**

The Golden Super® Rope is available in round, square or rectangular section. The Golden Super® Rope seals are impregnated with vermiculite to increase the mechanical and temperature resistance and to improve the non-wetting properties as well as the gas tightness.

Advantages:

The Golden Super® Rope can withstand high temperatures till 1000°C (Ecosil® overbraiding). Thanks to the high density of the ropes, the Golden Super® Rope can be used in applications where the mechanical resistance is of high importance. The Golden Super Rope improves the lifetime of the seal considerably in comparison with other materials. The vermiculite impregnation also increases the temperature resistance and heat reflection and improves the non-wetting properties in case of molten metal splash as well as the gas tightness of the rope.

The Golden Super® Rope exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis.

Qualities:

The Golden Super® Rope can be made from various types of textile yarns or a mix of these yarns: **E-Glass, Ecotex 750 HT and Ecosil® 1000 (Silica) yarns.** The Golden Super® Rope is available in round, square or rectangular section from 20 mm till 110 mm. Special sizes can be produced on request. The Golden Super® Rope can be adapted to meet almost any heavy duty sealing challenge.

Applications:

- Seal for pot's in the aluminium industry
- Door seals
- Seal for doors of furnaces.
- Generally in all cases where a heavy duty seal is required

Material overview

	Continuous Use Limit	Melting Point	Density	Basic Composition
Ecosil® 1000	1000°C	> 1550°C	750 – 1100 kg/m ³	Silica
Ecotex® 750 HT	750°C	840°C	750 – 1100 kg/m ³	Silica
E-Glass	550°C	840°C	750 – 1100 kg/m ³	Silica