

# ECOSIL BRAIDED PACKING – 1000°C

Ecosil® silica braided packing is produced from various types of texturized silica-yarn and can be supplied in round, square or rectangular section.

Ecosil® silica braided packing consists of a core made from texturized, continuous silica yarns twisted in rope, overbraided with texturized, continuous twined silica yarns. The silica yarn has a diameter of 6 microns.

## Chemical Properties

Ecosil silica braided packing exhibits excellent chemical stability, resisting attack from most organic agents, water and hot acids with exception of hydrofluorid acid, phosphoric acid and strong caustics. Ecosil silica braids have excellent physical properties and high mechanical strength.

## Availability

Ecosil® silica braided packing is available in the following diameter sizes: 5-60 mm, section sizes: 5 x 5 - 60 x 60 mm. Other dimensions and rectangular sizes are available on request.

## Applications

- Static seals in (steam) boilers and (coke) furnaces
- Kiln car seals
- Seals in heat exchangers
- Seals between filter elements
- Wrapping of exhausts

## Typical Physical Properties

Average density	:	500- 1500 kg/m <sup>3</sup>
Colour	:	White
Chemical Composition	:	SiO <sub>2</sub> 94,00 - 96,00%
		Al <sub>2</sub> O <sub>3</sub> 2,50 - 4,50 %
Linear shrinkage	:	5 - 12 % (depending on the applications)
Continuous use limit	:	1000°C (short term 1100°C)
Melting Point	:	>1550°C