

# ECOSIL® SILICA TAPE – 1000°C

Tape is produced by weaving a number of texturized and twisted silica yarns. The width and thickness are determined by the number and thickness of the yarns used.

Ecosil silica tapes are available in a number of different thickness and constructions to provide a comprehensive HT range.

Ladder tapes are also available. This type of webbing has regular perforations in the middle, one-third of the width, to produce a ladder like structure. The webbing can be supplied with self adhesive backing, with various special coatings such as Vermiculite but also with one side aluminium foil (radiation temperature 1000°C).

Ecosil Silica Tapes are made from texturized continuous filament yarns with a diameter of exceeding 6 micron and consequently exceed the critical range of 3 micron.

## Chemical properties

Ecosil Silica tape 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 tapes have excellent physical properties and high mechanical strength.

## Availability

Ecosil Silica tape is available in the following thicknesses: 1,5-5 mm, width 10-1000 mm. Other sizes (8 mm till 20 mm thickness) are available on request.

## Applications

- Fire-resistant curtains
- Wrapping of exhausts
- Flange jointing with openings for bolts (ladder tape)
- Radiant heat shields
- Insulation linings
- Controlled cooling of castings
- Welding curtains

## Typical Physical Properties

Colour	:	White	
Chemical Compositions	:	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	