

## TECHNICAL DATA SHEET

### CT Tape Description and Advantages

Darco CT tape is a cost-effective industrial tape manufactured from ceramic fibre yarn, reinforced by a core of stainless steel wire for high strength retention at elevated temperatures, ideal for most high temperature applications up to 1200°C.

This tape contains approximately 18% organic fibre which burns out at high temperatures, causing some smoking and out-gassing, but the tape retains enough strength to be used as effective insulating tape at high temperatures.



	1260 Range
Ceramic Fibre Temp. Rating	1260°C
Ceramic Fibre Melting Point	1760°C
Temperature Limit of S/S wire	Stainless Steel - 1100°C
Ceramic Fibre Composition	
Al <sub>2</sub> O <sub>3</sub>	46%
SiO <sub>2</sub>	53%
ZrO <sub>2</sub>	0%
Diameter of Ceramic Fibre	3-4 micron
Thermal Conductivity	<0.18 W/mK at 1000°C
Shrinkage (24hr)	3% at 1150°C
Loss on Ignition	18%
Electrical	Glass: Non-Conductive Steel: Conductive
Colour	White

#### TYPICAL APPLICATIONS

- ☐ Asbestos tape replacement
- ☐ Fireproof wrap
- ☐ Protection against high temperature
- ☐ High temperature electrical insulation
- ☐ Cable and fuel line protection
- ☐ Gaskets and seals
- ☐ Insulation of industrial chimneys

#### AVAILABILITY

- ☐ Thickness: 2 - 6mm, Width: 20 - 200mm,
- ☐ Length: 25m, 30m, 50m
- ☐ Ladder tape available upon request.
- ☐ Tadpole tape available upon request.
- ☐ Custom sizes available upon request.