



Product Data

Ceramic Fibre Rope Lagging

Glass, Wire and Cotton Overbraids

Construction

Saveguard Rope Laggings are manufactured from strips of high purity Ceramic Fibre Blanket. The blanket strips are then overbraided in an open pattern to produce a compressable rope with outstanding insulation properties. The overbraid material can be E' Glass, Cotton or Wire Re- Inforced Glass Yarn (normally Nickel Chrome Alloy 601) depending on the application. Cotton overbraids are commonly used for Concaster Dummy Bar seals where the overbraid is sacrificial and burns off in use to release the core without leaving a deposit. The core material is normally 1260 grade blankets or we can offer a 1400 grade if required

Properties:

Ceramic Fibres are: suitable for use at temperatures up to 1260C dependant on application

resistant to most chemicals except Phosphoric, Hydrofluoric acids and strong alkalis

are non combustible.

have a low thermal conductivity

resistant to thermal shock

Overbraid material
Temp Limitations:

E' Glass filament Suitable for temperatures up to 550 °C

Nickel Chrome Alloy Wire 601 Suitable for temperatures up to 1091°C

Cotton Suitable for temperatures up to 150°C*

* Please Note: Cotton overbraided ropes are normally used in applications where the rope is contained ie. concast dummy bar seals or expansion joints in refractory lining. The Cotton overbraid burns off at approximately 150°C without affecting the properties of the Ceramic Fibre and allowing the core to expand and fill the void.

Availibility

Diameter	12mm	15mm	20mm	25mm	30mm	40mm	50mm
Coil Length in metres	50m	50m	50m	50m	50m	25m	20m
Weight per Coil	1.7kg	2.8kg	4kg	7.8kg	9.5kg	8kg	11kg

Technical:

Core Material

Alumino-Silicate	Al ₂ O ₃	46%
	SiO ₂	53%

Typical
Applications:

Dummy bar Seals
Bulb material for Tadpole Seals
Flue seals for Domestic Appliances
Kiln Car seals
High Temperature Pipe lagging

Issue No:	1	Page: 1 of 1	Dated:	13th July 1999	File Ref:	prodata\ropes\ceramic\ropelagg	.pub
------------------	---	---------------------	---------------	----------------	------------------	--------------------------------	------

The information on this Data Sheet is strictly for guidance only and while provided in good faith cannot be guaranteed. The company reserves the right to alter or update this data as and when additional information is received. The Company's products are used in a wide range of applications over which the Company has no control therefore the Company excludes all conditions or warranties whether expressed or implied as to the fitness of the product for any particular purpose. Customers must establish product suitability via their own tests