Product Datasheet

Ceramic Fibre Fabrics

Ceramic Fibre Fabrics Wire Re-inforced

Construction:

Saveguard ceramic fibre woven fabrics are manufactured from high performance ceramic fibre yarns re-inforced with either a wire or glass filament. Saveguard ceramic fibre yarns are produced on traditional textile machinery by carding high purity 1260 grade ceramic fibres with a percentage of cellulose fibre to assist in the processing. The yarns are then spun and combined with the relevant re-inforcing media to improve the tensile strength at extended temperatures. The organic content will burn off at temperatures above 200C without affecting the properties of the ceramic fibre however adequate ventilation should be provided during this initial heating. Where tensile strength is important the temperature limitations of the re-inforcing media should be considered.

Properties:

Ceramic Fibres are:

are resistant to oils, solvents and most chemicals although contact with Phosphoric, hydrofluoric acids, and strong alkalis should be avoided

are non combustible.

have a low thermal conductivity.

suitable for use at temperatures up to 1260 ^{o}C dependant on application

Colour: White

Re-inforcement Temp Limitations:

E' Glass filament: - Suitable for temperatures up to 550C

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

Chemical:

Alumino-Silicate	**80%**	Al_2O_3 SiO_2	46% 53%
Cellulose	**20%**		Tolerance +/- 5%

Availability:

Thickness	2mm	3mm	5mm
Width	100cm	100cm & 130cm	100cm
Weave	plain	plain	plain
Weight gsm	1100	1500	2800
Roll Length	50m	30m	20m

Typical Applications:

Furnace Entry and Zone Dividing Curtains
Cable and Pipe Protection
Used extensively in the manufacture of High Temperature Seals

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