



# Product Datasheet

## Texturised Glass Fabrics

### Vermiculite Finish

**Base Fabric:**

Saveguard Texturised Glass Fabrics are manufactured from high performance 9 micron E' Glass filament texturised yarns. The glass filaments are assembled and voluminised by passing over high pressure air jets to produce a lofted yarn with outstanding insulation properties. These yarns are then closely woven to produce a soft, durable and flexible fabric that can be readily treated or coated to further enhance its properties.

Saveguard vermiculite coated glass fabrics are tough, durable and resist metal splash and welding spatter. Vermiculite coated glass fabrics are capable of withstanding temperatures of 1000C for short periods and make an ideal material for fire barriers and welding curtains.

**Finish:**

A specially formulated, fine vermiculite dispersion that encapsulate the glass fibres and greatly increases resistance to abrasion and temperature. In tests, glass fabric coated with this product has retained its integrity after exposure to a propane blowtorch for 60 minutes at temperatures of 1100° C. However the fabric does become brittle locally after exposure to these extreme temperatures and are not recommended for applications where flexibility is important at high temperatures

**Properties:**

Glass Yarns have a minimal amount of surface dressing to assist in processing, this is usually organic i.e. starch or silane and will disappear at temperatures above 200C. Untreated Glass Fabrics are suitable for continuous use at temperatures of up to 550C however tensile strength continues to reduce noticeably as temperatures increase above 400C .

**Technical:**

**Glass Fibres:** are resistant to oils, solvents and most chemicals although contact with hydrofluoric acids, strong alkalis and live steam should be avoided.  
 are non combustible.  
 have a low thermal conductivity.

**Finish:** Low organic, Vermiculite dispersion

**Colour** Gold

Fabric Weight	630 gsm	1115 gsm	2000 gsm
Weave	Plain	Plain	Twill
Warp Yarn	ECT9 560 tex	ECT9 1440 tex	ECT9 1415 tex
Weft Yarn	ECT9 560 tex	ECT9 1030 tex	ECT9 1250 tex
Threads 10/cm	64 Warp/50 Weft	56 Warp/32 Weft	100 Warp/50 Weft
Thickness	0.9mm +/- 10%	1.7mm +/- 10%	3mm +/- 10%
<b>Width</b>	100cm	100cm	100cm
<b>Roll Length</b>	50m	50m	50m

**Availability:**

**Chemical:**

<b>E'Glass</b>	SiO2	54.1%	Al2O3	15.3%
	CaO	17.3%	MgO	4.7%
	Na2O	0.6%	B2O3	8.0%

**Typical Applications:**

Welding spark protection blankets/Curtains  
 Plumbers Pads  
 Fire Protection

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