



# Product Datasheet

## Texturised Glass Fabrics

### Graphite 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 Graphited fabrics are treated with a Graphite/Silicone oil impregnation. a specially formulated, non shedding, lubricating graphite finish that improves resistance to both temperature and abrasion. Graphite treated glass fabrics are particularly suitable for use in hot, dry conditions and aggressive environments where flexing may damage untreated fabrics.

**Finish:**

Graphite/silicone oil impregnation. Specially formulated, non shedding, lubricating finish that improves resistance to both temperature and abrasion. (up to 600C continuous, much higher for short periods)

**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, anti-fray weavelock finish

**Colour** Black/Dark Grey

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
- Insulation layers in expansion joints
- Insulation mattress/jacket cover material
- High temperature fabric seals

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