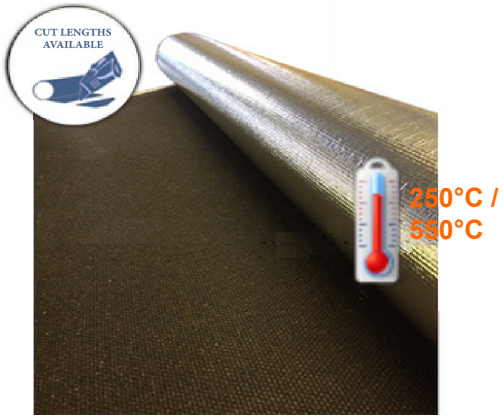
WILLIAM JOHNSTON
& COMPANY LIMITED

SHIELDTEX/780 Technical Datasheet



- SHIELDTEX/780 differs from other standard aluminium laminated glass cloths in a number of ways.
- It has a higher than average 20µ micron aluminium foil face making it extremely durable and resilient even after repeated manipulation during fabrication.
- The adhesive used to laminate the foil to the glass is a special HT silicone rather than acrylic, enabling the temperature resistance to increase from **180°C** to **250°C.** E Glass base cloth resistant to **550°C.**
- This in turn greatly reduces the chance of the foil cracking or delaminating from the glass substrate.
- Furthermore, unlike other industrial fabrics, the base glass fabric is lightly impregnated with a black flame resistant PU coating to prevent fray when CNC machine cutting and fabrication.
- This ensures a clean cut and a professional finish.
- It is flame resistant, it glowed for less then 5 seconds when subjected to a flame for 5 to 15 seconds.
- Tested to DIN EN ISO 6491 B.

Applications

- Manufactured / fabricated products to protect components from the damaging effects of radiant heat.

Technical Properties

Properties	Value
Material	E glass fabric
Weight (Base Fabric)	650 g/m²
Width	1000mm
Roll Length	50m
Weave Style	Plain
Thickness	approx 0.80mm
Construction Warp Weft	 6,8 yarns/cm PT9 - 500 Tex 5,8 yarns/cm PT9 - 500 Tex
Tensile Strength Warp Weft	 650 N/cm 550 N/cm
Coating	One side 20 micron aluminium foil glued (black) with a silicone based adhesive; back of fabric is coated with PU, flame resistant.
Temperature	**250°C** continuous.
Fire Classification	Flame resistant, glowing < 5 seconds when subject to flame during 5 to 15 seconds

* The black flame retardant PU finish applied to the glass cloth allows us to slit the fabric without causing fray and so this can be supplied in a range of widths e.g. 50mm, 100mm, 250mm, 500mm upon request.

Further Information

Material Safety Data Sheet	SHIELDTEX/780 MSDS