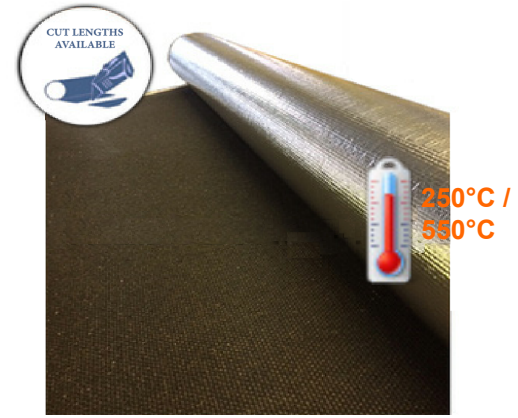




SHIELDTEX/780 Technical Datasheet

- 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/m ²
Width	1000mm
Roll Length	50m
Weave Style	Plain
Thickness	approx 0.80mm
Construction	
Warp	6,8 yarns/cm PT9 - 500 Tex
Weft	5,8 yarns/cm PT9 - 500 Tex
Tensile Strength	
Warp	650 N/cm
Weft	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
--	--------------------

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.