

 interglas

Atex™



Fort Glasgow – Fabric Architecture

5000TRL

silicone coated glass fibre fabric
heavyweight membrane Type III

P-D INTERGLAS ATEX 5000 TRL is a high performance glass fibre fabric impregnated and coated with specially formulated translucent silicones for use as textile membranes, curtains, canopies and awnings. Silicone coated fabrics are very flexible over a temperature range of -50° C to +200° C and block out short wave UV-B and UV-C light, harmful to humans, animals and plants, but transmit UV-A light, essential for plant growth.

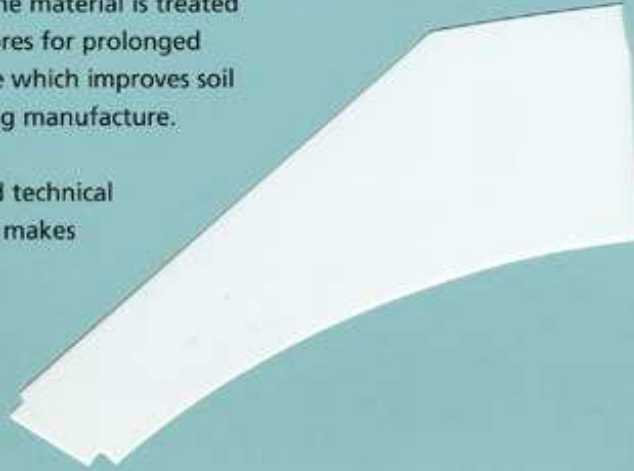
There are no emissions of toxic fumes or molten drips at high temperatures. The material is treated to resist wicking along the fibres for prolonged outdoor use and has a surface which improves soil resistance and handling during manufacture.

This combination of advanced technical qualities and its visual appeal makes ATEX 5000 TRL a unique and unrivalled product for structural membrane solutions now, and for the future.

ATEX 5000 grade is also available in a wide range of colours on request (subject to terms and minimum quantities).

5000TRL

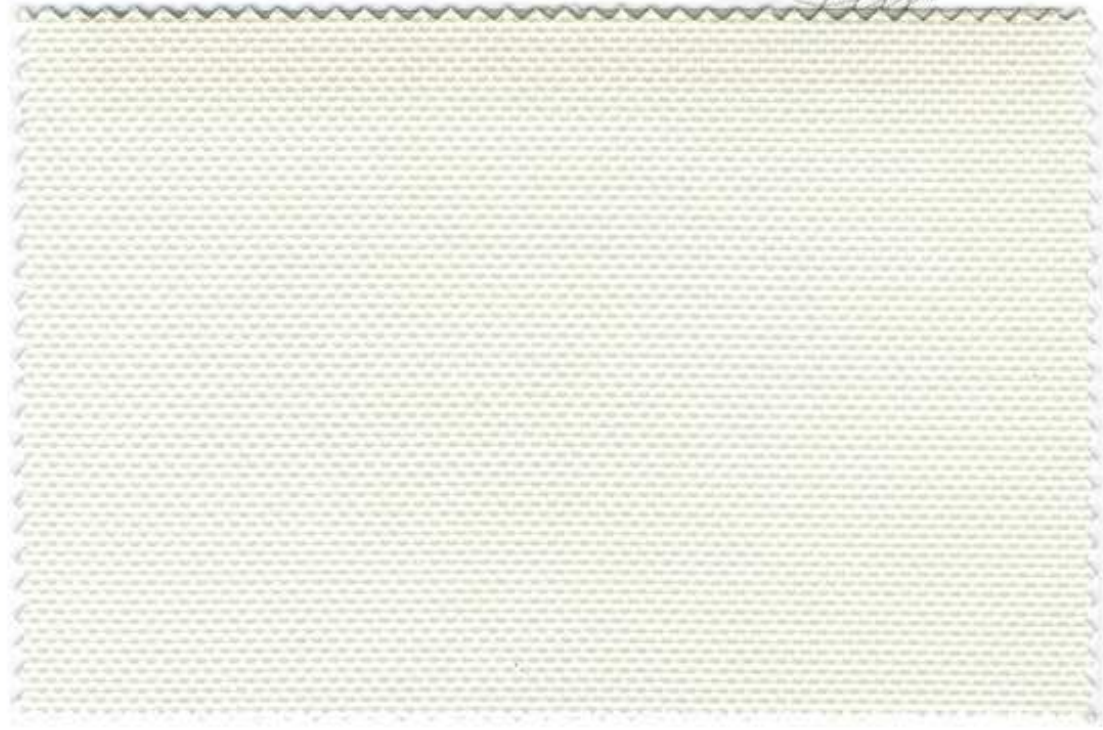
For membrane structures, ceiling constructions, weather-proof awnings and facade covers with high translucency



GMPG Montreux – Airlight Ltd / Canobbio



Exhibition Breitling – Airlight Ltd / Canobbio

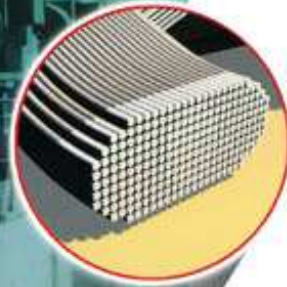
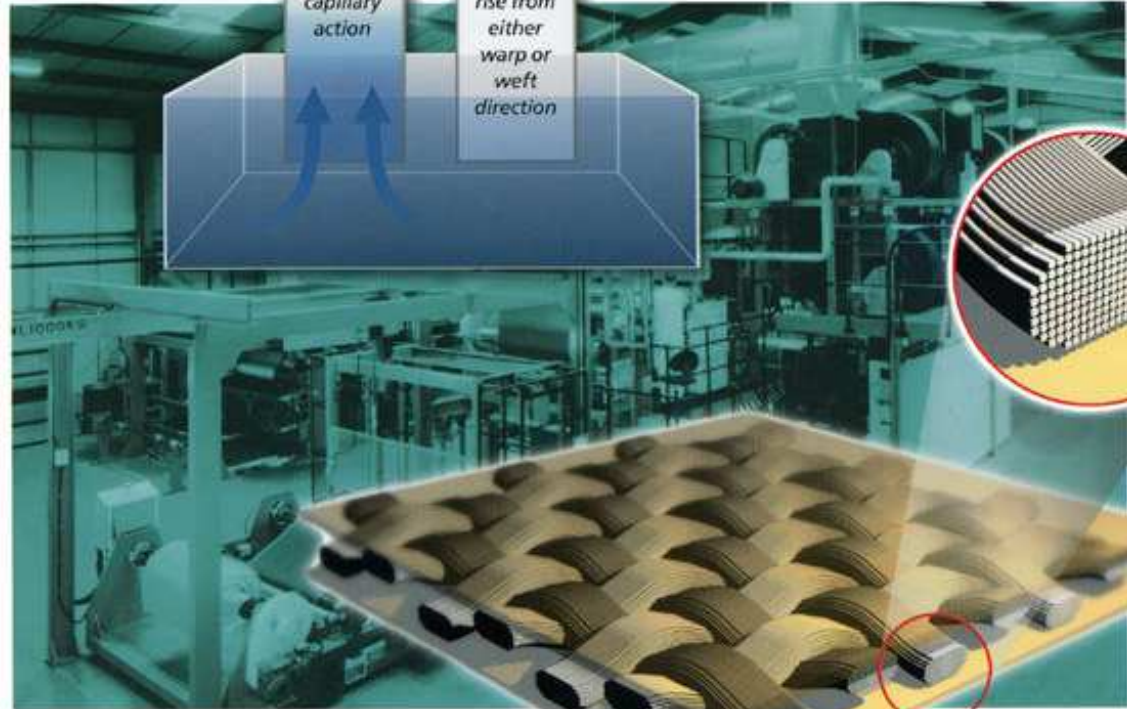


Standard silicone coated glass fabric

Liquid rises by capillary action

No capillary rise from either warp or weft direction

Atex TRL fabric with wick resistant treatment



Base fabric

Yarn	Glass fibre filament 100%	
Thread count	Warp 8.4 per cm	DIN EN 1049
	Weft 7.3 per cm	
Weight	685 g/m ²	DIN EN 12127
Weave style	Plain	DIN ISO 9354

Coated fabric

Coating	Silicone	
Tensile strength	Warp 5000 N /5cm min	DIN 12654
	Weft 5000 N /5cm min	
Trapezoidal tear	Warp 400 N	DIN 53356
	Weft 400 N	
Weight	1165 g/m ²	DIN EN 12127
Thickness	0.80 mm	DIN ISO 4603 / E
Width	2.00 m	

Optical values

	Solar	Standard D65	
Transmission	18.4%	21.1%	DIN EN 410
Reflection	68.4%	74.7%	DIN EN 410
Absorption	13.2%	4.2%	DIN EN 410

Fire Rating

Class 0	BS 476: Part 6: 1989, Part 7: 1997
B1	DIN 4102

Fabricating

Sewing with PTFE thread	
Silicone adhesive tapes	
5 cm x 0.75 mm	Peel 180° > 150 N / 5 cm*
	Tensile > 4000 N / 5 cm*

Characteristics

Temperature Range	-50° C to +200° C	
Capillary rise	< 5 mm / 24 h	DIN 53 925
	Weather-proof Hydrophobic UV light resistant	
	No toxic emission No residual odours Easily cleaned	
	Lifespan 25+ years Dimensionally stable	

Applications

For membrane structures, ceiling constructions, weather-proof awnings and facade covers with high translucency

*depending on equipment, must be in accordance with specified adhesive tape grade and coordinated parameters.
(P-D Interglas may change these specifications from time to time subject to a programme of continuous improvement.)

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Certificate No. Q 06085