

HEAD OFFICE

Red Shute Mill,
Red Shute Hill, Hermitage,
Berkshire RG18 9QL

STOKE

Unit 5,
Netherset Lane Industrial Estate,
Madeley, Crewe, Cheshire CW3 9PE



Frame Technical Specification



The Aluminium Frame is manufactured from high-grade 4 channel aluminium extrusions.

All structures are manufactured in accordance to German Industrial Norms DIN 4112.

All uprights and truss sections are manufactured alloy extrusion in addition all steel parts are hot dipped galvanised.

It is further strengthened by the use of galvanised steel inserts to the eaves.

All structures are snow loaded to BS6399 part 2 1988 and to a wind loading of BS6399 – 2.

Fabric Membrane Specifications

"Structure 650" - PVC Coated Polyester for Tents & Structures (marquees, pavilions, clearspan structures)

	Standard Membrane (B101535)	Premium Membrane (B101735)	Opaque Membrane (B167335)
Base Cloth	PES (Polyester)		
Yarn	dtex. 1100 x 1		
Weave	L 1/1		
Base Cloth Weight	180 g/m ²		
Coating	P.V.C / Acrylic		
Total Weight	630 g/m ²	700 g/m ²	800 g/m ²
Tensile Strength	Warp : 2800 N/50mm Weft : 2500 N/50mm	Warp : 3000 N/50mm Weft : 3000 N/50mm	Warp : 3000 N/50mm Weft : 3000 N/50mm
Tear Resistance	Warp : 300 N Weft : 300 N	Warp : 300 N Weft : 300 N	Warp : 300 N Weft : 300 N
Adhesion	>= 100 N / 50mm		
Colours	White	White, Cream, Yellow, Orange, Red, Green Sky Blue, Mid Blue, Dark Blue, Grey, Black	White Both Sides with Black Out Interlayer
Downloads	B1015	B1017	B1673
Stripes	Available in 9cm or 25cm Stripes, either one side or both sides printed. See data sheet B1050		
Lighweight Quality	A lightweight 550 gsm version is available and suitable for marquee walling and awnings. See data sheet B1010		
Flame Retardency	• B.S 5438 / 7837 • France M.2 • Germany DIN 4102 B1 • U.S.A NFPA 701 Small • California Fire Code Title 19 Download U.K Fire Certificates in PDF Format (6 Mb file)		

"Architecture Grade" - PVC Coated Polyester Fabric for Permanent Tensile Structures

	Type I	Type II	Type III	Type IV	Type V
Base Cloth	PES (Polyester)				
Yarn	dtex 1100	dtex 1100	dtex 1670	dtex 1670	dtex 2200
Weave	L 1/1	P 2/2	P 2/2	P 3/3	P 3/3
Base Cloth Weight g/m ²	210	275	370	490	650
Total Weight g/m ²	900	900	1050	1400	1450
Tensile Strength N/50mm	3000 / 3000	4400 / 3950	5750 / 5100	7450 / 6400	9800 / 8300
Tear Resistance N/50mm	310 / 350	520 / 580	800 / 950	1100 / 1400	1800 / 1600
Adhesion N	100	120	120	120	120
Downloads	B1951	B1617	B1915	B1618	B1092
Colours	White, although colours are available subject to minimum production run.				
Coating	PVDF Lacquered PVC				
Flame Retardency	DIN 4102 B1 / BS 5438 / BS 7837				

"Architecture Grade" - PTFE (Teflon) Coated Glass Fibre Fabric for Permanent Tensile Structures

	Mesh	Type 1/3	Type 3/3	Type 4/3	Internal Acoustic Lining
Base Cloth	9 micron GF Mesh	3 micron GF			
Yarn	dtex 6800	dtex 1360	dtex 2040	dtext 4080	dtex. 1000
Weave	Scheindreher	L 1/1	L 1/1	L 1/1	L 1/1
Base Cloth Weight g/m ²	440	365	440	625	200
Total Weight g/m ²	1050	800	1150	1550	340
Tensile Strength N/50mm	4500 / 4000	3500 / 3500	5800 / 5800	7500 / 6500	3000 / 2300
Tear Resistance N/50mm		300 / 300	500 / 500	600 / 600	
Adhesion N		60	80	100	
Translucency at 550 nm	50%	15%	13%	8%	
Downloads	Open Mesh (B18909) Laminated Mesh (18901)	B18039	B18089	B18059	B18921
Coating	Polytetrafluoroethylene (PTFE), Trade Name : Teflon				
Flammability	Class 0 / DIN 4102 A2				

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Single Skin Steel Cladding Technical Specification

**Profile**

Thickness 0.50 mm
Weight 5.23 kg/m²
Nominal cover width 914mm

Cover

200 Micron Plastisol
Colour: Goose Wing Grey

CLASSIFICATION	SPEC	TEST METHOD	
Thickness	200 Microns	ECCA T1	BS3900/C5
Gloss (60°)	25 – 40%	ECCA T2	ASTM D523
Scratch Resist	5800g	ASTM D2197	
Abrasion Resist	10 – 15mg	ASTM D4060	CS-10, 250revs
Reverse Impact	160in – lbs	BS D2197	
T-Bend	16°C 0T 0°C 2T	ASTM D4145	
Adhesion (Cross Hatch)	100%	BS3900/E6	
Max Continuous Working Temp	60°C	-	
Fire Classification	Class 1	BS476 : Part 7 1987	
Salt Spray	1000 Hours	ECCA T8	ASTM B117-73
Humidity	1000 Hours	BS3900/F2	
QUV Weatherometer	2000 Hours	ECCA T10	ASTM G53-84