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ARCHITECTURAL

FABRICS

POLYPLAN ARCHITECTURAL FABRICS

TEXTILE ARCHITECTURE

680



680 LW

Polyplan 680 LW is an architectural fabric and features a low-wicking polyester base cloth to reduce unsightly mildew which can be visible when the fabric is used in transparent light filtering applications. It is finished with a semi-gloss acrylic lacquer to help maintain its original appearance.



	STANDARD	VALUE	POLYPLAN 680	POLYPLAN 680 LW
Width		cm	250	250
Roll Length		m	65	65
Base Fabric	DIN 60001		Polyester	Low-wick Polyester
Denier	DIN EN ISO 2060	dtex	1100	1100
Weave	DIN ISO 9354		1:1	1:1
Total Weight	DIN EN ISO 2286-2	gsm	670	670
Tensile Strength	DIN EN ISO 1421	N/5cm (warp/weft)	3000/3000	3000/2800
Tear Strength	DIN 53363	N (warp/weft)	300/300	300/280
Adhesion	DIN EN ISO 2411	N/5cm	120	110
Cold Resistance	DIN EN 1876-1 ⁹⁹ / -2 ⁹⁹	°C	-30(a)	-45
Heat Resistance	IVK/Pkt.5	°C	+70	+70
Light Fastness	DIN EN ISO 105-B02		≥7	≥7
Flex Resistance	DIN 53359-Form A		100,000	100,000
Flame Retardant			AS1530.3 EN13501-1 DIN 75 200 ISO 3795	AS1530.3 EN13501-1 B-s2,d0 NFP 92-503 M2 GOST Pass
Lacquer			Acrylic	Acrylic
Warranty		yrs	5	7

The information provided represents the results sourced from an independent third party testing authority. Tolerances may vary up to 10%. All information was current and accurate at the time of printing. Colours are shown for illustrative purposes only. Refer to the sample for actual colour.

745 MATT

Polyplan introduces a modern element to architectural fabrics with the 745 Matt range. Matt finishes are the new trend in commercial colours. They provide colour depth and vibrancy without the variation of a gloss surface to change the effect. Polyplan 745 Matt is ideal for small-medium supported structures, building facades, awnings, covers and other general purpose lightweight architectural applications.



	STANDARD	VALUE	POLYPLAN 745 MATT
Width		cm	300
Roll Length		m	65
Base Fabric	DIN 60001		Polyester
Denier	DIN EN ISO 2060	dtex	1100
Weave	DIN ISO 9354		1:1
Total Weight	DIN EN ISO 2286-2	gsm	640
Tensile Strength	DIN EN ISO 1421	N/5cm (warp/weft)	2600/2500
Tear Strength	DIN 53363	N (warp/weft)	250/250
Adhesion	DIN EN ISO 2411	N/5cm	100
Cold Resistance	DIN EN 1876-1 ⁹⁹ / -2 ⁹⁹	°C	-45 ⁹⁹
Heat Resistance	IVK/Pkt.5	°C	+70
Light Fastness	DIN EN ISO 105-B02		≥7
Flex Resistance	DIN 53359-Form A	yrs	100,000
Flame Retardant			DIN EN 13501-1 Italia uNI 9177:1987 CSFM T19 NFP A 701 CPAI 84 ASTM E84 BS 7837 NF P 92-503 CAN/ULC-S109 GOST B-s3, d0 C12 pass pass pass pass M2 pass pass
Lacquer			Acrylic
Warranty			7

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POLYPLAN BLOCK-OUT FABRICS

TEXTILE ARCHITECTURE

680 BO

Polyplan 680 Block-Out features a similar construction to 680 LW but contains an opaque film enabling it to be used in light-block applications.



WHITE BLOCK-OUT 181

787 MATT BO

Polyplan 787 Matt BO was specifically designed for pergolas and small outdoor structures. It features a stylish matt finish and a light-blocking layer in the fabric's core to prevent transmitted light, providing temperature control. Manufactured in Europe to stringent quality control standards, Polyplan 787 will provide years of performance in the harsh Australian conditions.



1M1 WHITE



7M4 OAK



6M0 PUTTY



8M4 CLOUD



8M5 SMOKE

	STANDARD	VALUE	POLYPLAN 680 BO	POLYPLAN 787 MATT BO
Width		cm	250	300
Roll Length		m	65	65
Base Fabric	DIN 60001		Polyester	Polyester
Denier	DIN EN ISO 2060	dtex	1100	1100
Weave	DIN ISO 9354		1:1	1:1
Total Weight	DIN EN ISO 2286-2	gsm	780	780
Tensile Strength	DIN EN ISO 1421	N/5cm (warp/weft)	3000/2800	3000/2800
Tear Strength	DIN 53363	N (warp/weft)	300/280	300/280
Adhesion	DIN EN ISO 2411	N/5cm	110	100
Cold Resistance	DIN EN 1876-2	°C	-45	-45
Heat Resistance	IVK/Pkt.5	°C	+70	+70
Light Fastness	DIN EN ISO 105-B02		≥7	≥7
Flex Resistance	DIN 53359-Form A		100,000	100,000
Flame Retardant			AS1530.3 EN13501-1 F-NF P 92-503 I-UNI 9177 :1987 USA-CSFM 19 USA-NFPA 701 USA-CPAI 84 GB-BS 7837 GOST pass	B-s3,d0 M1 CI2 pass pass pass pass pass
Lacquer			Acrylic	Acrylic
Warranty		yrs	7	7

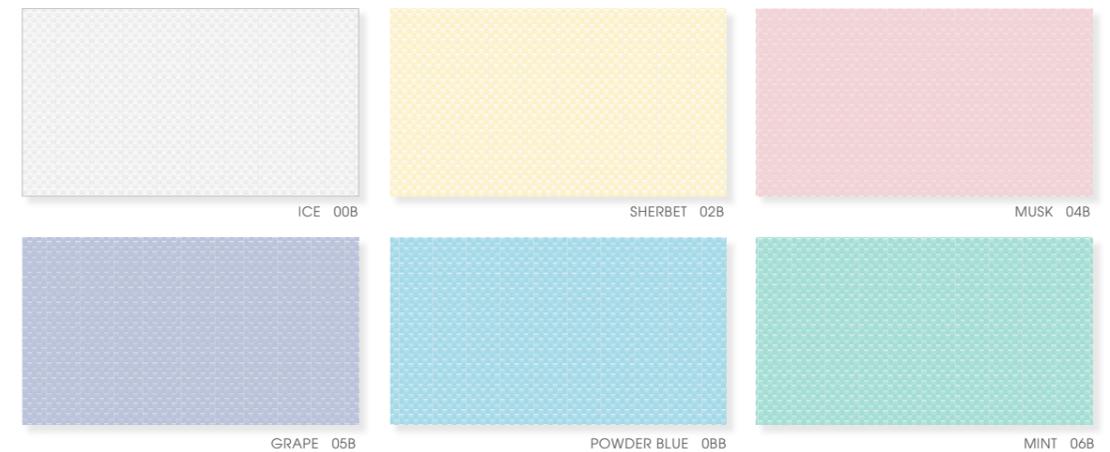
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POLYPLAN candy

TEXTILE ARCHITECTURE

Light and colour are often associated with life and vibrancy. The Polyplan Candy Collection is designed to bring the exuberance of light and colour together into fabric structures.

Polyplan Candy is a translucent architectural fabric that can provide a decorative backdrop when applied to lighting features. In addition to endless design options, Candy offers the functionality and protection that comes with an architectural fabric. This versatile textile can be utilised in a variety of indoor and outdoor facades, halls, tents and umbrellas just to name a few.



	00B	02B	04B	08B	05B	06B
Light Transmission (%)	38.75	38.87	33.81	32.35	32.21	36.56
Radiation Transmission (%)	36.09	35.56	35.11	31.74	34.79	34.47
Radiation Reflection (%)	52.33	51.5	51.21	49.43	50.07	49.25
Radiation Absorption (%)	11.58	12.94	13.68	18.83	15.14	16.28
G-Value	0.3908	0.389	0.3864	0.366	0.387	0.3867

	STANDARD	VALUE	POLYPLAN CANDY
Width		cm	300
Roll Length		m	65
Base Fabric	DIN 60001		Low-Wick Polyester
Denier	DIN EN ISO 2060	dtex	1100
Weave	DIN ISO EN 9354		1:1
Total Weight	DIN EN ISO 2286-2	gsm	690
Tensile Strength	DIN EN ISO 1421	N/5cm (warp/weft)	3000/3000
Tear Strength	DIN 53363	N (warp/weft)	300/300
Adhesion	DIN EN ISO 2411	N/5cm	100
Cold Resistance	DIN EN 1876-2	°C	-45
Heat Resistance	IVK/Pkt.5	°C	+70
Light Fastness	DIN EN ISO 105-B02		≥7
Flex Resistance	DIN 53359-Form A		100,000
Flame Retardant			EN 13501-1 Italia UNI 9177:1987 GOST
Lacquer			B-S2,d0 CI2 pass
Warranty		yrs	Protect S 7

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POLYPLAN STRUCTURAL FABRICS

TEXTILE ARCHITECTURE

Architectural Fabrics are used as a waterproof membrane in outdoor structures, either in a tensioned or un-tensioned state. There are five different qualities available depending on the structure size, design and engineering requirements. Each quality is classified from Type 1 through to Type 5, based around the 'European Design Guide for Tensile Surface Structures'. Essentially, the physical differences between the types stem from variations in the yarn density, construction of the polyester base-cloth and the applied PVC coating thickness. As a rule of thumb, the heavier the overall weight, the higher the break and tear strengths.

TYPE 1



WHITE 10B



IVORY 25B



TYPE 2



WHITE 10B



POLYPLAN (INDENT RANGES)

TEXTILE ARCHITECTURE

TYPE 3



WHITE 10B

TYPE 4



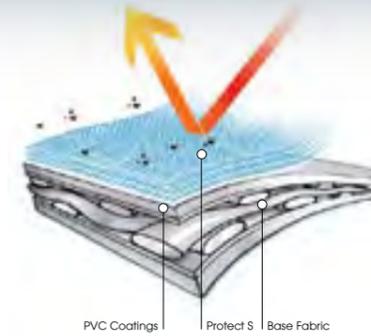
WHITE 10B

TYPE 5



WHITE 10B

PROTECTS



Protect S is a sophisticated finish that provides enhanced protection for Polyplan fabrics. Its primary benefit is to protect the fabric against the harsh Australian elements, providing performance and longevity. Protect S also helps maintain the fabric's original appearance and can be welded without any surface preparation.

Low-Wicking Base Fabric

Polyplan 680 LW and Polyplan Type 1 - 5 are manufactured with a low-wicking polyester base fabric. This helps prevent unsightly mildew growth which can be visible inside translucent fabrics.



	STANDARD	VALUE	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5
Width		cm	250	250	250	250	250
Roll Length		m	65	65	65	65	65
Base Fabric	DIN 60001		Low-wick Polyester	Low-wick Polyester	Low-wick Polyester	Low-wick Polyester	Low-wick Polyester
Denier	DIN EN ISO 2060	dtex	1100	1100	1670	1670	2200
Weave	DIN ISO 9354		1:1	Panama	Panama	Panama	Panama
Total Weight	DIN EN ISO 2286-2	gsm	700	900	1200	1350	1550
Tensile Strength	DIN EN ISO 1421	N/5cm	3300/3000	4200/4000	5600/5400	8400/7300	10.000/9500
Tear Strength	DIN 53363	(warp/weft)	375/325	500/500	1000/900	1400/1300	2000/2000
Adhesion	DIN EN ISO 2411	N (warp/weft)	120	140	150	150	150
Cold Resistance	DIN EN 1876-1	N/5cm	-30	-30	-30	-30	-30
Heat Resistance	IVK/Pkt.5	°C	+70	+70	+70	+70	+70
Light Fastness	DIN EN ISO 105-B02	°C	>7	>7	>7	>7	>7
Flex Resistance	DIN EN ISO 7854/B DIN 53359-Form A		100,000	100,000	100,000	100,000	100,000
Flame Retardant			AS1530.3 EN 13501-1 B-s2,d0 DIN 4102-1 B1 NFP 92-503 M2	EN13501-1: B-s2,d0	EN13501-1: B-s2,d0	EN13501-1 : C-s2,d0	EN13501-1: C-s3,d2
Lacquer		yrs	Protect S	Protect S	Protect S	Protect S	Protect S
Warranty			12	12	12	12	12

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