

## M SCREEN 8505

Sunscreen Fabric.



M-Screen is a Classic Screen fabric, the jewel in Mermet's crown. It sets a new standard for solar protection fabrics with its huge colour range. Made from PVC coated fibreglass yarn and woven to maintain a perfect view to the outside, M Screen blocks up to 96% of UV rays, making it ideal for harsher Australian climate conditions. Its minimalist look suits modern interiors as well as traditional Décor.

### TECHNICAL DATA:

<b>Composition</b>	36% Fibreglass / 64% PVC		
<b>Fire Classification</b>	AS (AUS) AWTA tested AS/NZ 1530 part 2 & 3*		
<b>Openness Factor</b>	Average 5%		
<b>UV Blockage</b>	Up to 96%		
<b>Widths</b>	155, 200, 250 & 310cm (depending on colour)		
<b>Pattern</b>	Basket weave 1x2		
<b>Yarn count</b>	Warp: >22 yarns	Weft: >20 yarns	Standard: ISO 7211/2
<b>Weight per M<sup>2</sup></b>	410gsm		Standard: ISO 2286-2
<b>Thickness</b>	0.55mm		Standard: ISO 2286-3
<b>Breaking Strength</b>	Warp: >1470N	Weft: >1331N	Standard: AS 2001.2.3
<b>Elongation to Break Point</b>	Warp: >7.53%	Weft: 2.94%	Standard: AS 2001.2.3
<b>Tear Resistance</b>	Warp: >40.8N	Weft: 44.3N	Standard: AS 2001.2.10
<b>Colourfastness</b>	7-8 (Scale of 8)		Standard: AS 2001.4.21
<b>Health/Safety</b>	No chemicals harmful to health & safety of users. Guarantee of indoor air quality		Oeko-tex Standard 100 class IV VOC, Greenguard

*\*Complies with the General Requirements of the Building Code of Australia for Fire Hazard Properties of materials in buildings. Not suitable for use in parts of buildings with Special Requirements, i.e. fire isolated exits; public corridors leading to a fire isolated stairway, passageway or ramp; a patient care area of health care buildings; and in a public assembly building (eg. Theatre or hall) not protected with sprinkler system.*

### SOLAR OPTICAL PROPERTIES:

Colour	TS	RS	AS	Width		TV	Width			
				¼" CI	¼" H.A.		155 cm	200 cm	250 cm	310 cm
				SC: Int Blind						
0202 - White	19	65	16	0.35	0.33	20	✓	✓	✓	✓
0221 - White Lotus	24	54	22	0.43	0.37	18		✓	✓	
0220 - White Linen	18	58	24	0.37	0.35	17		✓	✓	✓
0222 - White Stone	21	58	21	0.40	0.35	21		✓	✓	✓
2022 - Linen Stone	21	49	30	0.46	0.38	19		✓	✓	
2020 - Linen	18	49	33	0.45	0.38	16		✓	✓	✓
0710- Pearl Sable	10	32	58	0.54	0.43	10			✓	✓
M166 - Linen Sable-Cocoa	11	35	54	0.52	0.42	12			✓	
M179 - Sable Cocoa-Grey	8	26	66	0.57	0.44	9			✓	
M177 - Pearl Cocoa-Hazelnut	8	28	694	0.56	0.44	8			✓	
1041 - Sable Ultramarine	9	24	67	0.58	0.45	11			✓	
3010 - Charcoal Sable	6	13	81	0.65	0.48	8		✓	✓	✓
3071 - Charcoal Apricot	6	14	80	0.64	0.48	8		✓	✓	✓

6161 - Cocoa	6	8	86	0.68	0.50	9			✓	
3061 - Charcoal Cocoa	5	6	89	0.69	0.50	7		✓	✓	✓
M153 - Sable Straw-Cocoa	9	32	59	0.54	0.42	10			✓	
M155 - Sable Cocoa- Hazelnut	9	30	61	0.55	0.43	9			✓	
M180 - Cocoa Apricot-Hazelnut	7	17	76	0.62	0.47	8			✓	
M181 - Cocoa Cocoa- Hazelnut	5	14	81	0.64	0.48	7			✓	
M162 - Cocoa Sable - Cocoa	6	11	83	0.66	0.49	8			✓	
6145 - Cocoa Phoenix	6	14	80	0.64	0.48	7			✓	
M182 - Cocoa Brick Facade-Cocoa	5	12	83	0.65	0.48	7			✓	
0207 - White Pearl	13	49	38	0.44	0.37	14		✓	✓	✓
0720 - Pearl Linen	11	37	52	0.51	0.41	11			✓	✓
M176 - Pearl Sable - Cocoa	8	26	66	0.57	0.44	9			✓	
0707 - Pearl	8	31	61	0.54	0.43	10			✓	✓
0730 - Pearl Charcoal	5	21	74	0.59	0.45	6			✓	
3020 - Charcoal Linen	5	16	79	0.62	0.47	7			✓	
3021 - Charcoal Lotus	10	15	75	0.64	0.48	10		✓	✓	
M178 - Charcoal Pearl-Grey	5	11	84	0.65	0.49	7			✓	
3001 - Charcoal Grey	5	9	86	0.67	0.49	8		✓	✓	✓
3041 - Charcoal Ultramarine	5	6	89	0.59	0.50	8			✓	
3030 - Charcoal	4	5	91	0.69	0.50	7	✓	✓	✓	✓

**Legend:**

*T<sub>s</sub>* Solar Transmittance: The ratio of solar energy passing through the fabric.

*R<sub>s</sub>* Solar Reflectance: The ratio of solar energy reflected by the fabric.

*A<sub>s</sub>* Solar Absorptance: The ratio of solar energy that the fabric absorbs.

*T<sub>v</sub>* Visible Transmittance: The ratio of visible solar energy passing through the fabric. It is related to the amount of glare a person receives through a glazing system.

*Sc* Shading Coefficient: Shading coefficient *Sc* is the ratio between the solar factors of the protected window (glazing + sunblind) and the solar factor of glazing alone.

$$Sc = \frac{(glazing + sunblind)}{Fs (glazing)}$$

1/8" CL: Standard clear 1/8" glass (3 mm)

1/4" CL: Standard clear 1/4" glass (6 mm)

1/4" HA: Absorbent 1/4" glass (6 mm)

## CARE INSTRUCTIONS:

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry.

**Note:** The information contained in this specification is believed to be true and correct at the date of issue, however the manufacturer reserves the right to alter this document without prior notice.