

M-Screen



Colour Range

White/White 5%	White/Lotus 5%	White/Stone 5%	White/Linen 5%	Linen/Stone 5%	Pearl/Linen 5%	Charcoal/Sable 5%	Charcoal/Cocoa 5%
White/Pearl 5%	Pearl/Pearl 5%	Charcoal/Linen 5%	Charcoal/Lotus 5%	Charcoal/Pearl-Grey 5%	Charcoal/Grey 5%	Charcoal/Charcoal 5%	Flagstone 5%

Sunscreen Fabric

Roller Blind | Roman Shade | Panel Glide
2.5m & 3.1m widths*



M-Screen

Technical Information

	5% Openness Plain Weave	5% Openness Deco
Composition:	36% Fibreglass, 64% PVC	36% Fibreglass, 64% PVC
Thickness:	0.52mm ± 10%	0.52mm ± 5%
Weight:	400 g/sm ± 5%	385 g/sm ± 5%
Weave Construction:	1 (Warp) x 2 (Weft)	1 (Warp) x 2 (Weft)
Stiffness:	40mm ± 5%	40mm ± 5%
Breaking Strength: (AS 2001.2.3)	Warp > 1800N, Weft > 1800N	Warp > 1377N, Weft > 1567N
Tearing Resistance: (AS 2001.2.3)	30N Warp, 25N Weft	38.8N Warp, 42.5N Weft
Cutting*:	Ultrasonic, Knife, Crush Cut & Pressure Cut. Can be rail roaded.	
Colourfastness:	6-7 Blue Scale (AS 2001.4.21)	

Features: M-Screen Fabric has been tested and is Greenguard® Gold Certified to meet strict certification criteria for low Volatile Organic Compound (VOC) emissions and is acceptable for use in environments such as schools and healthcare facilities (IEQ-11).



Fire Retardancy Information: Independently tested to AS1530.2^ and AS1530.3*. Plain weave is suitable for classes 1, 2 to 9 (a) and (c) and 10 buildings as per BCA. Deco is suitable for classes 1, 2 to 9 (a)-(c) and 10 buildings as per BCA.

	Plain 5%	Deco 5%
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Ignitability Index* (Range 0-20):	0	0
Spread of Flame Index* (Range 0-10):	0	0
Heat Evolved Index* (Range 0-10):	0	0
Smoke Developed Index* (Range 0-10):	4	4
Flammability Index^:	12	1

Range:	Item:	Width:	Roll Length:
	5% Plain - 0850525000XXXXH	2500mm	67.5 sqm
	5% Deco - 085552500DXX	2500mm	67.5 sqm
	5% Plain - 0850531000XXXXH	3100mm	93 sqm

Care & Cleaning Dusting with a feather duster is all that is required to keep your fabric looking good. For the removal of stains, dirt and grime, gently wipe fabric skins with a sponge soaked in lukewarm water. If marks are still visible, add a little detergent. Then dry gently with a clean cloth. Test in inconspicuous area before spot cleaning.

Thermal & Visual Properties

5% Plain	Thermal Comfort			Glazing & Fabric		Visual Comfort TL / TV
	Ts	Rs	As	GTOT A	GTOT C	
White / White	19	71	10	0.32	0.34	16
White / Lotus	24	63	13	0.38	0.37	22
White / Stone	21	61	18	0.38	0.37	18
White / Linen	19	61	20	0.38	0.37	15
Linen / Stone	22	50	28	0.45	0.41	18
Pearl / Linen	12	39	49	0.50	0.53	5
Charcoal / Sable	6	13	81	0.64	0.53	5
Charcoal / Cocoa	5	5	90	0.69	0.55	4
White / Pearl	15	52	33	0.43	0.40	12
Pearl / Pearl	10	33	57	0.53	0.46	7
Charcoal / Linen	6	16	78	0.63	0.52	5
Charcoal / Lotus	6	14	80	0.64	0.52	5
Charcoal Pearl-Grey	5	12	83	0.65	0.53	5
Charcoal / Grey	6	8	86	0.67	0.54	5
Charcoal / Charcoal	3	4	93	0.69	0.55	3
5% Deco						
Flagstone	8	20	72	0.61	0.50	7

Solar protection indicators are laboratory-tested.
The most relevant and widely used thermal comfort factors include:

THERMAL COMFORT

Fabric Only
Ts Solar Transmittance (%)
Rs Solar Reflectance (%)
As Solar Absorbance (%)
Solar radiation is always partially transmitted through, absorbed or reflected by the fabric. The sum of all 3 equals 100. Ts + Rs + As = 100% of solar energy.

GLAZING & FABRIC

Test data has been supplied using the following glazing types:
•A Clear single glazing (4mm float)
•B Clear double glazing (4mm float + 12mm space + 4mm float)
•C Double glazing low-e coating and argon filled (4mm float + 16mm space + 4mm float)
•D Reflective double glazing with low-e coating and argon filled (4mm + 16mm space + 4mm float)

GTOT (RANGE 0-1)

The Solar Heat Gain Coefficient (SHGC), measures the window's (fabric and glass) ability to transmit solar energy into a room. The SHGC is commonly referred to as g-tot. SHGC/g-tot is a calculation of the g-values of the solar protection device (fabric) and the glazing (A, B, C, D). The lower the GTOT value, the greater its ability to insulate against solar heat build-up.

VISUAL COMFORT

Fabric Only
TL / Tv Light Transmittance (%)
RL Light Reflectance (%)

The fenestration property tests were conducted in accordance with EN 410 (1998), EN 14501:(2005), and EN 14500:(2008).

For more information contact our customer service team or visit: hunterdouglas.com.au/enquiry

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