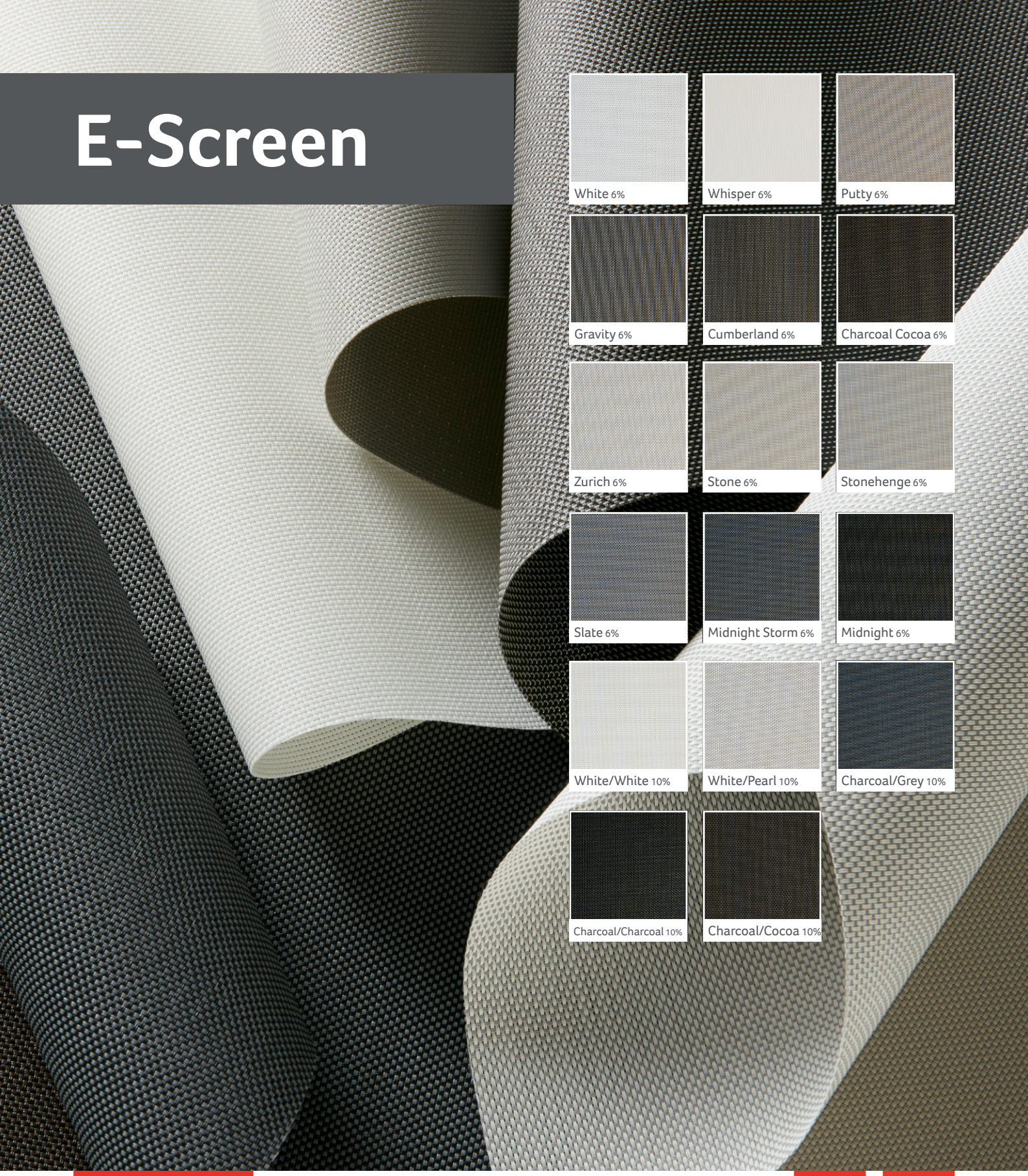
E-Screen



MERMET

10 TEN YEAR FABRIC WARRANTY

FIRE RETARDANT

Sunscreen Fabric

Roller Blind | Roman Shade | Panel Glide

2.5m, 3.1m widths#

6% or 10% openness options providing excellent glare control & UV protection.

E-Screen

Technical Information

	6% Openness	10% Openness
Composition:	36% Fibreglass, 64% PVC	
Thickness:	0.42mm ± 10%	0.52mm ± 5%
Weight:	410g/sm ± 5%	350g/sm ± 5%
Weave Construction:	2 (warp) x 2(weft) Basket Weave	
Stiffness:	48mm ± 5%	65mm ± 5mm
Breaking Strength: *(AS 2001.2.3)*	1500N Warp, 1500N Weft	1900N Warp, 1400N Weft
Tearing Resistance: *(AS 2001.2.10)*	45N Warp, 65N Weft	40N Warp, 72N Weft
Cutting*:	Ultrasonic, Knife, Crush Cut & Pressure Cut. Can be rail roaded.	
Colourfastness:	6-7 Blue Scale (AS 2001.4.21)	
Features:	E-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*. Suitable for classes 1,2 to 9 (a)-(c) buildings as per BCA.	

	6%	10%
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	6
Flammability Index^:	1	1

Range:

Item:	Width:	Roll Length:
6% - 43.205.5XXM	2500mm	75 sqm
6% - 43.207.5XXM	3100mm	83.7 sqm
10% - 075103100XXXXH	3100mm	83.7 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

Thermal Comfort				Glazing & Fabric				Visual Comfort
Colour	**Ts**	**Rs**	**As**	**GTOT A**	**GTOT B**	**GTOT C**	**GTOT D**	**TL / TV**
6% Openness								
Midnight	8	3	89	0.70	0.68	0.56	0.31	9
Midnight Storm	7	9	84	0.67	0.65	0.54	0.30	7
Charcoal Cocoa	6	5	89	0.68	0.66	0.55	0.30	6
Zurich	14	49	37	0.45	0.45	0.41	0.27	13
White	25	60	15	0.35	0.37	0.36	0.25	19
Whisper	23	58	19	0.40	0.41	0.38	0.26	21
Stonehenge	11	32	57	0.54	0.53	0.46	0.28	9
Stone	15	37	48	0.52	0.51	0.45	0.28	12
Putty	10	28	62	0.56	0.56	0.48	0.28	9
Slate	8	19	73	0.61	0.60	0.51	0.29	7
Gravity	8	11	81	0.65	0.63	0.53	0.29	7
Cumberland	8	8	84	0.68	0.66	0.54	0.30	7
10% Openness								
Charcoal/	12	3	85	0.71	-	0.56	-	12
Charcoal/Cocoa	11	5	84	0.70	-	0.55	-	11
Charcoal/Grey	12	8	80	0.68	-	0.54	-	11
White/Pearl	20	50	30	0.45	-	0.41	-	17
White/White	25	66	9	0.36	-	0.36	-	22

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.

Fabric & Glazing
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 us on:
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Note: Colours are as accurate as the printing process allows. Please refer to the fabric swatch. # Not all colours are available for all widths, check fabric label for width information.