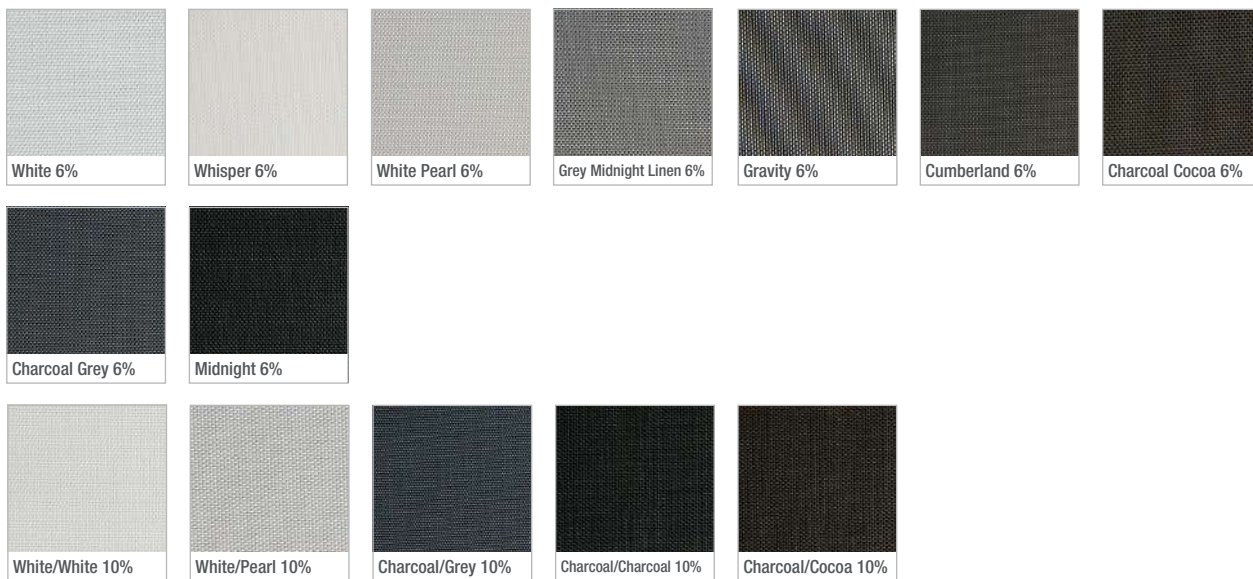


E-Screen



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

Colour Range



Sunscreen Fabric

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

MERMET

E-Screen

Technical Information

	6% Openness	10% Openness
Composition:	36% Fibreglass, 64% PVC	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	2 (warp) x 2 (weft) Basket Weave
Stiffness:	48mm ± 5mm	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) and 10 buildings as per BCA.

	6% Openness	10% Openness
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	93 sqm
10%	075103100XXXXH	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

Colour	Thermal Comfort			Glazing & Fabric				Visual Comfort TL / TV
	Ts	Rs	As	GTOT A	GTOT B	GTOT C	GTOT D	
Midnight 6%	8	3	89	0.70	0.68	0.56	0.31	9
Charcoal Cocoa 6%	6	5	89	0.68	0.66	0.55	0.30	6
White 6%	25	60	15	0.35	0.37	0.36	0.25	19
Whisper 6%	23	58	19	0.40	0.41	0.38	0.26	21
Gravity 6%	8	11	81	0.65	0.63	0.53	0.29	7
Cumberland 6%	8	8	84	0.68	0.66	0.54	0.30	7
Charcoal/Charcoal 10%	12	3	85	0.71	-	0.56	-	12
Charcoal/Cocoa 10%	11	5	84	0.70	-	0.55	-	11
Charcoal/Grey 10%	12	8	80	0.68	-	0.54	-	11
White/Pearl 10%	20	50	30	0.45	-	0.41	-	17
White/White 10%	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.

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

turnilscollage.com.au