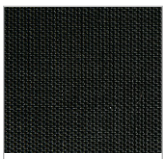
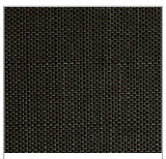
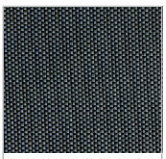
E-Screen *with* KOOLBLACK™ Technology

Colour Range


Charcoal 5%


Charcoal/Cocoa 5%


Charcoal/Grey 5%

External Suncreen Fabric

Roller Blind | Roman Shade | Panel Glide
3.1m width

MERMET

E-Screen with KOOLBLACK™ Technology

Technical Information

5% Openness

Composition:	36% Fibreglass, 64% PVC
Thickness:	0.47mm ± 5%
Weight:	358g/sm ± 5%
Weave Construction:	2 (warp) x 2 (weft) Basket Weave
Stiffness:	62mm ± 5mm
Breaking Strength: (AS 2001.2.3)	1900N Warp, 1200N Weft
Tearing Resistance: (AS 2001.2.10)	25N Warp, 29N 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 with KOOLBLACK™ Technology has been tested and is Greenguard® Gold Certied to meet strict certication 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.

Ignitability Index* (Range 0-20):	0
Spread of Flame Index* (Range 0-10):	0
Heat Evolved Index* (Range 0-10):	0
Smoke Developed Index* (Range 0-10):	5
Flammability Index^:	6

Range:	**Item:**	**Width:**	**Roll Length:**
	07705310035XXH	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

	Thermal Comfort			Glazing & Fabric				Visual Comfort
Colour	**Ts**	**Rs**	**As**	**GTOT A**	**GTOT B**	**GTOT C**	**GTOT D**	**TL / TV**
Charcoal	18	13	69	0.54	-	0.46	-	6
Charcoal/Cocoa	19	32	49	0.55	-	0.47	-	7
Charcoal/Grey	18	37	45	0.52	-	0.44	-	8

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 us on:
hdcustservice@hunterdouglas.com.au

turnilscollage.com.au