

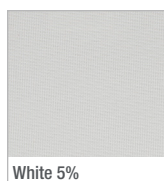
# Optimascreen Plus

**5**  
FIVE YEAR  
FABRIC  
WARRANTY

**FIRE  
RETARDANT**



## Colour Range



White 5%



White Linen 5%



White Pearl 5%



White/Grey 5%



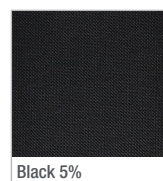
White Sand 5%



Black Pearl 5%



Black Grey 5%



Black 5%

## Sunscreen Fabric

Roller Blind | Roman Shade | Panel Glide  
2.5m & 3.0m widths

**MERMET**

# Optimascreen Plus

## Technical Information

**Composition:** 25% Polyester, 75% PVC

**Thickness:** 0.55mm ± 5%

**Weight:** 430 g/sm ± 5%

**Weave Construction:** 2 (Warp) x 2 (Weft) Basket Weave

**Stiffness:** 55mm ± 5mm

**Breaking Strength:** Warp > 1600N, Weft > 1400N  
(AS 2001.2.3)

**Tearing Resistance:** 70N Warp, 50N Weft  
(AS 2001.2.10)

**Cutting\*:** Ultrasonic, Knife, Crush Cut & Pressure Cut. Can be rail roaded.

**Colourfastness:** 7-8 Blue Scale (AS 2001.4.21)

**Features:** Net Series 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.

Ignitability Index\* (Range 0-20): 16  
Spread of Flame Index\* (Range 0-10): 0  
Heat Evolved Index\* (Range 0-10): 2  
Smoke Developed Index\* (Range 0-10): 7  
Flammability Index\*: 14

Range:	Item:	Width:	Roll Length:
	43.525.XXX	2500mm	75 sqm
	43.530.XXX	3000mm	90 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% Openness	Thermal Comfort			Glazing & Fabric				Visual Comfort
	Ts	Rs	As	GTOT A	GTOT B	GTOT C	GTOT D	
White	26.9	60.8	12.3	39.4	40.1	37.6	25.6	23.3
White Linen	22.5	54.5	23.0	42.5	43.0	39.5	26.2	17.7
White Pearl	19.6	49.0	31.4	45.3	45.6	41.2	26.6	15.8
White Grey	14.1	37.2	48.7	51.4	51.3	44.9	27.6	10.3
White Sand	19.4	46.3	34.3	46.8	47.0	42.1	26.9	14.0
Black Pearl	8.2	14.4	77.4	63.9	62.5	52.2	29.6	7.7
Black Grey	8.4	8.9	82.7	67.2	65.3	54.0	30.2	7.9
Black	7	2.9	90.1	70.5	68.3	55.9	30.7	6.9

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).*

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