

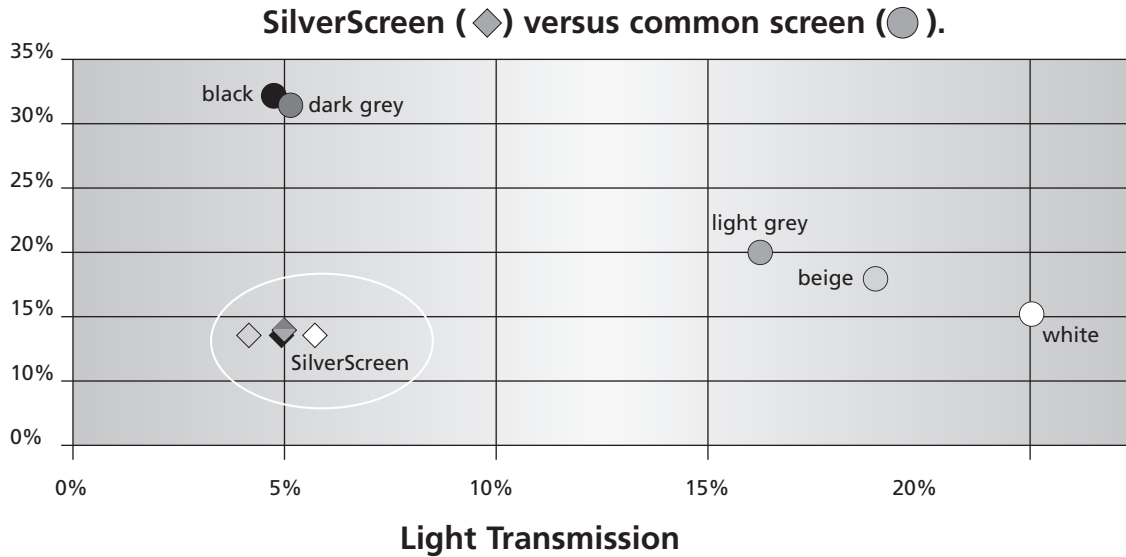
# Fabric

## SilverScreen™

The ultra-fine layer of aluminium on a screen fabric dramatically improves the solar energy performance, whilst demonstrating excellent corrosion resistance properties. SilverScreen adds a contemporary style to architectural design on the interior as well as on the exterior of the building; functional meets decorative.

In the schedules below, the major differences between SilverScreen and common screen are clearly displayed.

## SilverScreen performances



The visual glare and heat gain properties of common screens depend on the colour of the screen. With SilverScreen, thanks to the aluminium layer on the reverse side, these properties are practically independent of the colour of the screen. Furthermore, SilverScreen provides a good visual contact to the outside world.

	High Perf. glazing	Black		Dark grey		White		Beige		SilverScreen	common screen
		SilverScreen	common screen	SilverScreen	common screen	SilverScreen	common screen	SilverScreen	common screen		
Solar transmission		5%	5%	5%	6%	6%	21%	5%	20%	5%	18%
Solar reflection outside		75%	5%	76%	9%	74%	68%	74%	61%	75%	52%
Light transmission		5%	5%	5%	5%	6%	20%	5%	19%	5%	17%
Light reflection outside		74%	5%	74%	8%	73%	77%	73%	68%	74%	58%
UV Transmission		5%	5%	5%	5%	5%	5%	4%	5%	5%	5%
Openness factor		4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Colour rendering index		99	100	99	99	99	95	99	88	100	94
Light transmission	67%	4%	3%	3%	4%	4%	14%	4%	12%	4%	11%
g-value	37%	14%	31%	14%	31%	14%	15%	14%	17%	14%	20%
U-value (W/m².K)	1,1	0,7	0,8	0,7	0,8	0,7	0,9	0,7	0,9	0,7	0,9

According to the European performance rating of shading products,

EN 14501, the SilverScreen scores are:

Glare control: 4 (very good effect)

View through: 3 (good effect)

g-value: 3 (good effect) – 4 (very good effect) are achievable

Also with respect to the U-value, very good effects can be realised.

## Silverscreen™

Integrated and thermal optical properties	Fabric Density	SilverScreen™	
	Fabric colour	Dark Grey	
	Solar transmittance	5%	
	Solar reflectance outside	76%	
	Solar absorbance	19%	
	Luminous transmittance	5%	
	Luminous reflectance outside	74%	
	Luminous absorbance	21%	
	UV transmittance	5%	
	Openness factor (nominal)	4%	
	Ra[Colour rendering index]	99	
Glazing Type		Single 3mm Clear Glass	Solar Control Glazing
	Light transmittance	5%	5%
	G-value	20%	14%
	Shading coefficient	23%	16%
	U-value (W/mK) <sup>2</sup>	1.7	0.7
Composition	36% Fibreglass / 64% PVC		
Pattern	Natté 1x2		
Weight per m <sup>2</sup>	400g ± 5%		
Thickness	0.5mm ± 5%		
Dimensional stability / Breaking strength	Warp	150daN/5cm	
	Weft	150daN/5cm elongation	
Tear resistance	ISO 4674	6á 10 daN	
Resistance to fold	Mini 20 daN/5cm		
Colour fastness to light	ISO 105-B02	7/8	
Anti static	Fabric is anti-static		
Organic Emissions [VOC]	Green Building Council of Australia - Green Star Office Interior Spec. < 0.5mg/m <sup>2</sup> /hr (7 days)		
ASTMD5116-97	Total Volatile Organic Compound - Specific Area Emission Rate	0.05mg/m <sup>2</sup> /hr	
Flame retardancy AS/NZS 1530.3-1999	Ignitability Index	18	Range [0-20]
	Spread of flame index	0	Range [0-10]
	Heat evolved index	0	Range [0-10]
	Smoke developed index	4	Range [0-10]



No Blind    Transparent    Semi Transparent    Non Transparent    Blockout

### FABRIC INFORMATION



Flame Retardant

SEMI TRANSPARENT-  
Metallised Screen

### SYSTEMS AVAILABLE



Roller Blinds

## FEATURES

Silverscreen™ semi transparent metal backed screen fabric provides excellent vision out. Silverscreen™ dramatically reduces heat and glare at the window independent of colour. It is constructed from a hard wearing PVC coated fibreglass yarn and woven to 1900mm and 2400mm in width. Silverscreen™ is inherently flame retardant.

Silverscreen™ is designed specifically for manual and motorised roller blinds systems.

Note: All presented data calculated in WIS 3.0.1 (Advanced Windows Information System) with spectral data. Specifications and other data are based on information available at the time of preparation of this document and are subject to production tolerances and/or change without prior notice. Flame retardancy information is sourced from AWTA testing results. Please note that test results may vary slightly depending on fabric colour. [Solar Control Glazing EN 13363-2, ISO 15099, Measurements according to EN410], [3mm Single Glass(Pilkington OpCl\_3.plg) according to EN410, ISO 9050 and ISO 15099 without ventilation].