



SOLAR VIEW

SPECIFICATIONS

SOLAR OPTIC PROPERTIES

Code	Description	Ts	Rs	As	Tuv	Tv	O-F	3mmCL	6mmCL	6mmHA
A4001	Solar View White	22	64	14	7	21	7	0.36	0.36	0.33
A4029	Solar View Alabaster	20	61	19	6	19	6	0.38	0.38	0.34
A4027	Solar View Off White	21	63	16	6	21	7	0.37	0.37	0.34
A4022	Solar View Cotton	18	61	21	6	18	6	0.37	0.37	0.34
A4002	Solar View Bone / Off White	17	57	26	6	17	6	0.4	0.4	0.35
A4014	Solar View Taupe	12	41	47	7	13	7	0.5	0.5	0.4
A4025	Solar View Grey	12	30	58	7	14	7	0.58	0.58	0.43
A4033	Solar View Charcoal	6	5	89	6	10	6	0.73	0.73	0.51
A4032	Solar View Bronze / Charcoal	6	7	87	6	9	6	0.72	0.72	0.5
A4024	Solar View Black/Copper	7	8	85	7	11	7	0.71	0.71	0.5
A4021	Solar View Black	7	4	89	6	10	6	0.74	0.74	0.51
A4028	Solar View Platinum	7	10	83	11	7	7	0.72	0.68	0.50

Tests were conducted by Matrix Inc, USA, in accordance with ASHRAE Standard 74-1988, Methods of Measuring Solar Optical Properties of Materials.

TECHNICAL DATA

Composition	30% polyester / 70% PVC
Width	
Weight	500gsm
Thickness	0.65mm
Light fastness	>7 Blue wool scale for coatings, fully fade resistant
Opacity	Light Filtering
Flame retardant	AWTA Tested AS1530.3. Copy of test report available on application.
Cleaning	Wipe clean with warm soapy water, and damp cloth



ROLLER



PANEL



ROMAN



AWNING



FLAME RETARDANT



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SOLAR PROPERTIES

PROPERTY EXPLANATIONS

Ts Solar Transmittance

The amount of energy transmitted through the fabric.

Rs Solar Reflection

The proportion of solar energy that is reflected by the fabric. The lighter the colour the better the reflection. E.g. Solar View White reflects 64%, while black reflects only 6%.

As Solar Absorbance

The proportion of solar energy that is absorbed by the fabric. The darker the fabric the more solar energy that is absorbed by the fabric. Note. The sum of transmittance, absorbance and reflection always = 100%. ($T_s + A_s + R_s = 100$)

Tuv

The amount of UV that is transmitted through a fabric. A Tuv of 7 means that 93% of the UV is blocked. This is important when considering protection of flooring, furnishing fabrics and furniture against fading.

Tv

Is the amount of glare a person receives through the fabric. The Green Building Council rating system requires a Tv of less than 10. Glare increases in winter when the angle of the sun is lower.

O-F Openness Factor

This measures the proportion of holes in a woven fabric. 5% openness = 5% holes in 1 sqm. The more open the more solar heat admitted through the fabric. Openness also affects the degree of visibility.

Solar properties are important when selecting screen fabrics, as the efficiency of the fabric depends on the colour chosen.

When advising a customer on the fabric that they should use there are a number of factors that should be considered.

All Texstyle screen fabrics are tested in USA by Matrix Inc, when these tests are conducted the fabric and the glass are tested together. Here is the explanations of the solar property test results.

SOME OTHER THINGS TO NOTE

1. In summer heat gain through a glass window can be as much as 87%, while in winter heat loss can be up to 49%.
2. Depending on the colour chosen the temperature in a room can be lowered by 5 to 15 degrees C in summer and can reduce the need for air conditioning by 25 – 30%. This is a considerable saving in power consumption and also aiding the reduction in greenhouse gas emission.
3. Dark colours give a better view, while light colours offer more efficient heat protection.

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