Sierra Solar Screen Fabric

Product Specifications

Benefits: Sierra solar screen fabric offers value and performance in 5 color choices to complement any décor. Woven in a 2 x 2 basketweave pattern to maximize clarity of view.

Specifications:			
Category	Solar Screen Fabric	**Composition**	24% Polyester, 76% PVC
Openness Factor	1%, 3%, & 5%	**Width**	118" (300 cm) ±5 mm
UV Blockage	Approximately 95-99%	**Thickness**	0.024" (0.55 mm) ±5%
Weave style	2 x 2 Basketweave	**Weight**	400 g/m2

Fire Classifications:	NFPA 701
Anti-Microbial Properties:	ASTM-G21
Certifications:	GreenGuard Gold Confidence in Textiles Oko-Tex
Environmental Benefits:	RoHS - Lead Free
Care & Cleaning:	Remove dust with a vacuum cleaner or compressed air. Clean with a sponge and warm soapy water using mild detergent. Rinse with clean water. Do not scrub. Do not use solvents or abrisives that could harm the coating of the fabric. Leave the blind down until completely dry. You may also very gently rub the fabric with a clean white pencil eraser to remove small stains.

For complete technical information, current test results, performance specifications and larger samples, contact the Insolroll, Inc.

Fenestration Properties: (Solar Optical Properties) Fabrics installed internally, Zero-degree profile

Color					
1% open colors	**Ts**	**RS**	**AS**	**TV**	**SHGC***
White	22	70	8	19	0.27
White/Grey	12	49	39	9	0.32
White/Linen	17	57	26	13	0.3
Charcoal/Bronze	5	9	86	7	0.43
Black	3	4	93	5	0.44
Black/Dark grey	1	11	88	2	0.48
3% open colors					
White	22	70	8	19	0.27
White/Grey	12	49	39	9	0.32
White/Linen	17	57	26	13	0.3
Charcoal/Bronze	5	9	86	7	0.43
Black	3	4	93	5	0.44
Black/Dark grey	4	12	84	5	0.48
5% open colors					
White	25	67	7	22	0.29
White/Grey	14	49	37	11	0.32
White/Linen	19	57	24	15	0.3
Charcoal/Bronze	7	8	85	10	0.44
Black	5	4	91	8	0.44
Black/Dark grey	5	11	84	5	0.49

Definition of terms:

Ts= Solar Transmittance	Energy that is allowed to pass through
Rs= Solar Reflectance	Energy that is reflected away
As= Solar Absorptance	Energy that is absorbed by the fabric
Tv= Visible Light Transmission	Percentage of visible light that comes into the room
OF= Openness Factor	Percentage of fabric that is open (between the threads)
SHGC= Solar Heat Gain Coefficient	The percentage of incident solar radiation that is transmitted as heat to the interior through the glass and shading system*
CL= Clear Glass	

*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.

The solar optical properties are used to calculate the shading coefficieint. The shading coefficient represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system. Darker Colors provide maximum glare reduction and visibility.

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