



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	3% & 5%	Thickness	0.024" (0.55 mm) ±5%
UV Blockage	Approximately 95-97%	Weight	400 g/m ²
Weave style	2 x 2 Basket weave	Width	118" (300 cm) ±50 mm)
Fire Classifications:	NFPA 701		
Anti-Microbial Properties:	ASTM-G21		
Certifications:	GreenGuard Gold Confidence in Textiles Oko-Tex		
Environmental Benefits:	RoHS- Lead Free		
Care & Cleaning:	Dust removal with vacuum (soft dusting brush), compressed air, or soft brushing. Do not scrub, wipe clean with sponge using clean water.		

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
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3% open colors

Color	Ts	RS	AS	TV	SHGC*
White/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/Black	3	4	93	5	0.44

5% open colors

White/White	25	67	7	22	0.029
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/Black	5	4	91	8	0.44

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.