Palisade Solar Screen Fabric

Product Specifications

Benefits: Woven from thick, 165 Tex core yarns, Palisade solar faric has added strength and durability for extra-wide patio shade applications. Weather resistant, this premium fabric features basket weave pattern for optimal view-through.

Specifications:			
Category	Solar Screen Fabric	**Composition**	42% Fiberglass, 58% Vinyl
Openness Factor	3%, 5%, and 10%	**Weight**	3%: 16.4 oz/yd2 (555 g/m2) ±5%
UV Blockage	Approximately 90-97%		5%: 14.13 oz/yd2 (479 g/m2) ±5%
Weave style	Basketweave		10%: 13.48 oz/yd2 (357 g/m2) ±5%
Thickness	3%: 0.023" (0.59 mm) ±5%	**Width**	122" (300 cm) ±50 mm)
	5%: 0.022" (0.56 mm) ±5%		
	10%: 0.021" (0.53 mm) ±5%		

Fire Classifications:	NFPA 701-10 TM#1 California US Title 19 CAN/ULC-S109-03
Anti-Microbial Properties:	ASTM-G21, ASTM E2180
Certifications:	GreenGuard Gold
Environmental Benefits:	Lead Free
Care & Cleaning:	Remove dust with vacuum cleaner (soft brush attachment) or compressed air. Do not scrub

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	**Ts**	**RS**	**AS**	**TV**	**SHGC***
3% open colors					
Charcoal	4	6	90	3	0.12
Charcoal/Cocoa	3	6	91	3	0.12
Sable/White	8	52	40	6	0.1
Sable/Wood	6	28	66	4	0.11
5% open colors					
Charcoal	7	4	89	7	0.14
Charcoal/Cocoa	7	6	87	7	0.14
Sable/White	14	53	33	12	0.14
Sable/Wood	10	25	65	9	0.14
10% open colors					
Charcoal	11	4	85	10	0.16
Charcoal/Cocoa	11	6	83	11	0.16

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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