Palisade Solar Screen Fabric
Product Specifications

Benefits: Woven from t hick, 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
Openness Factor	5% and 10%		58% vinyl
Weave style	Basket weave		Enduris™ Glass Core Yarns
UV Blockage	5% Approx. 95%	**Width**	122" (300 cm) ±50 mm)
	10% Approx. 90%	**Thickness**	5%- 0.022" (0.56 mm) ±5%
Weight	5% 14.13 oz/yd2 (479 g/m2) ±5%		10%- 0.021" (0.53 mm) ±5%
	10% 13.48 oz/yd2 (357 g/m2) ±5%		

Fire Classifications:	NFPA 701-10 TM#1 California U.S. Title 19 CAN/ULC-S109-03 Small & Large Flame Test
Anti-Microbial Properties:	ASTM E2180, ASTM G21
Certifications:	GreenGuard Gold
Environmental Benefits:	RoHS- Lead Free
Acoustical Performance:	5%:NRC: 0.05, SAA: 0.06 10%: NRC: 0.05, SAA: 0.04
Care & Handling:	Remove dust with vacuum cleaner (soft brush attachment) or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the shade down until completely dry. You can 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	**Rs (%)**	**As (%)**	**Ts (%)**	**Rv (%)**	**Tv (%)**	**SHGC % improvement Commercial Interior**	**SHGC % Improvement Commercial Exterior**	**SHGC % improvement Residential Interior**	**SHGC % Improvement Residential Exterior**
5% Charcoal/Charcoal	4	89	7	4	7	13	76	0.59	0.15
10% Charcoal/Charcoal	4	83	13	4	13	8	79	0.67	0.15
5% Charcoal/Cocoa	6	87	7	6	8	13	82	0.64	0.12
10% Charcoal/Cocoa	5	82	13	5	13	11	79	0.67	0.15

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), Total Solar Absorptance (As), Visible Reflectance (Rv), and

Visible Transmission (Tv). Glass performance tests for Solar Heat Gain Coefficient (SHGC) were conducted using the Lawrence Berkeley National Laboratory Window 7.3 NFRC certified software. SHGC % improvement

SHGC % improvement for commercial applications is based on a standard commercial glass makeup of Double Glazing 6mm / 1/2" air / 6mm with low E on surface #2.

SHGC for residential applications is based on a default residential glass makeup of 3mm clear glass / 1/2" air / 3mm clear glass.
Results for SHGC were obtained using the center of glass.

Definition of terms:

Ts= Total Solar Transmittance	Energy that is allowed to pass through
Rs= Total Solar Reflectance	Energy that is reflected away
As= TotalSolar Absorptance	Energy that is absorbed by the fabric
Rv= Visible Light Reflectance	Percentage of visible light that is reflected away
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*.
NRC= Noise Reduction Coefficient	
SAA= Sound Absorption Average	
CL= Clear Glass	

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