



Maui Solar Screen Fabric

Product Specifications

Benefits: Maui solar screen fabric is woven in a basketweave pattern, and is available in wide widths. Each color is available in 2 densities, making Maui ideal for heat and glare control.

Specifications:	
Category	Solar Screen Fabric
Openness Factor	3% & 5%
UV Blockage	Approximately 95-97%
Weave style	2 x 2 Basketweave
Composition	28% Polyester, 72% Vinyl
Thickness	3%: 0.033" (0.84 mm) ±5%, 5%: 0.029" (0.45 mm) ±5%
Weight	3%: 16 oz/yd ² (542 g/m ²) ±5%
Width	5%: 15.4 oz/yd ² (522 g/m ²) ±5%
	126" (320 cm) ±27 mm
Fire Classifications:	NFPA 101 California Technical Bulletin 117 IBC Section 803.1.1 CFR 49V 571.302 (FMVSS 302) CAN/ULC-S109 California U.S. Title 19
Anti-Microbial Properties:	ASTM-G21, ASTM-G22, ASTM E2180 AATCC30 Part 3, ASTM D 3272, ASTM 6329
Certifications:	GreenGuard Gold Melanoma International Foundation Seal of Approval
Environmental Benefits:	Lead Free USCPSC Section 101 ANSI/WCMA A 100.1-2007 REACH Compliant
Care & Cleaning:	Clean with mild soap and water.

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

Fenestration Properties:		Definition of terms:	
(Solar Optical Properties)			
Fabrics installed internally, Zero-degree profile			
3% open colors		T_s = Solar Transmittance	Energy that is allowed to pass through
Color	T_s RS AS TV SHGC*	R_s = Solar Reflectance	Energy that is reflected away
White/Grey	9 51 40 7 0.11	A_s = Solar Absorptance	Energy that is absorbed by the fabric
Stucco	10 50 40 6 0.12	T_v = Visible Light Transmission	Percentage of visible light that comes into the room
Chestnut	7 37 56 4 0.11	OF = Openness Factor	Percentage of fabric that is open (between the threads)
Mocha	4 22 74 3 0.11	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*
Dark Bronze	3 5 92 3 0.12	CL = Clear Glass	
Carbon	4 11 85 4 0.12		
Black	3 4 93 3 0.12		
5% open colors			
White/Grey	12 54 34 12 0.15	*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
Stucco	6 5 89 11 0.16		
Chestnut	11 39 50 9 0.14		
Mocha	8 22 70 9 0.16		
Dark Bronze	8 5 87 11 0.18		
Carbon	6 10 84 10 0.15		
Black	7 3 90 10 0.17		
		The solar optical properties are used to calculate the shading coefficient. 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.	