



Infinity2 Sustainable Screen Fabric

Product Specifications

Benefits: Infinity2 sustainable sun control fabrics are eco-friendly full basketweaves designed to meet the most stringent environmental design standards. With 100% recycled content, 100% recyclable, and a PVC-free composition, Infinity2 fabrics offer the same solar heat and glare control properties as traditional solar screen fabrics for conserving energy, harnessing natural light and maintaining interior comfort levels.

Specifications:	
Category	Sustainable Solar Screen Fabric
Openness Factor	3% & 5%
UV Blockage	Approximately 95-97%
Weave style	2 x 2 Basketweave
Composition	100% Thermoplastic Olefin
Thickness	0.027" (0.69 mm) ±5%
Weight	12.48 oz/yd ² (423 g/m ²)
Width	122"
Fire Classifications:	NFPA 701-2004 TM#1, NFPA 101 Class A CAN/ULC-S 109-3 CAN/CGSB2-4.162-M80 ASTM E 84 Class 1
Anti-Microbial Properties:	ASTM-G21, ASTM-E2180
Certifications:	GreenGuard Gold
Environmental Benefits:	RoHS- Lead Free REACH Compliant ANSI/WCMA A 100.1-2007 USCPSC Section 101
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 abrasives 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:		Definition of terms:	
(Solar Optical Properties)			
Fabrics installed internally, Zero-degree profile			
3% open colors		Ts = Solar Transmittance	Energy that is allowed to pass through
Color	Ts RS AS TV SHGC*	Rs = Solar Reflectance	Energy that is reflected away
Almond	17 61 22 15 0.23	As = Solar Absorptance	Energy that is absorbed by the fabric
Cotton	20 70 10 19 0.21	Tv = Visible Light Transmission	Percentage of visible light that comes into the room
Stone	12 52 36 11 0.25	OF = Openness Factor	Percentage of fabric that is open (between the threads)
Bark	3 7 90 4 0.37	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*.
Slate	3 10 87 5 0.36	CL = Clear Glass	
5% open colors		* Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
Almond	20 60 20 18 0.23	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.	
Cotton	23 68 9 22 0.22		
Stone	15 52 33 14 0.25		
Bark	4 7 89 6 0.37		
Slate	5 9 86 7 0.36		