



Infinity2 Sustainable Screen Fabric
Product Specifications ©2016

Benefits: SheerWeave 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.

Sustainability
100% recyclable with active Reclamation Program that captures scrap from post-industrial (pre-consumer) and post-consumer sources
Produced from 100% post-industrial (pre-consumer) recycled content
Repeat recyclability for continued sustainability
PVC-free and lead-free
Every component of this TPO compound is heat and chemically stable.
Resistant to microbial and fungal growth.
Durable and washable

Specifications			
Category	Sustainable Solar Screen	Composition	100% TPO (Thermoplastic Olefin). 20% TPO fiber yarn,
Openness Factor	3% and 5%		80% TPO coating on TPO yard
UV Blockage	Approximately 95-97%		
Weave style	2 x 2 Basketweave	Thickness	0.027" (0.69 mm) ±5%
Weight	12.48 oz/y2 (423 g/m2)	Width	122"
Fire Classifications:	NFPA 701-2004 TM#1 (small scale) NFPA 101 (Class A Rating) CAN/ULC-S 109-03 (large and small scale) CAN/CGSB2-4.162-M80 ASTM E 84 (Class 1)		
Anti-Microbial Properties:	ASTM E2180, ASTM G21		
Certifications:	GreenGuard Gold		
Environmental Benefits:	RoHS- Lead Free REACH (EC 1907/2006) compliant ANSI/WCMA A 100.1-2007 for lead content US Consumer Product Safety Commission Section 101		
Acoustical Performance	NRC and SAA tested in accordance with ASTM C423-09a		
Additional Certifications:	Melanoma International Foundation Seal of Approval		
Care & Cleaning:	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
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Color	Ts	RS	AS	TV	SHGC*
<i>3% open colors</i>					
Almond	17	61	22	15	0.23
Cotton	20	70	10	19	0.21
Stone	12	52	36	11	0.25
Bark	3	7	90	4	0.37
Slate	3	10	87	5	0.36
<i>5% open colors</i>					
Almond	20	60	20	18	0.23
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

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*.
NRC= Noise Reduction Coefficient	
SAA= Sound Absorption Average	
CL= Clear Glass	

*Glass tested: 1" Heat absorbing glass

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