Natural Weave Solar Screen Fabric

Product Specifications

Benefits: Natural Weave solar screen fabric is woven with diverse textures and rich colors for a natural shade appearance, and features a range of 5% to 7% openness. Superior durability, minimal maintenance and excellent outward view-through allow Natural Weave fabrics to bring an easy elegance to a space.

Specifications

Category	Solar Screen Fabric	**Composition**	*Tweed/Oatmeal & Tweed/Buckeye:*	
Openness Factor	5% - 7%		36% polyester, 64% vinyl on polyester	
Weave style	varied		*Bamboo/Wheat, Rattan/Umber, & Bark/*	
UV Blockage	Approx. 93-95%		*Tiger Oak* : 27.5% polyester, 67% vinyl	
Width	98" (300 cm) ±50 mm)		on polyester.	
Weight *Tweed/Oatmeal*	13.7 oz/yd2 (464.5 g/m2) ±5%	**Thickness**	*Tweed/Oatmeal*	0.036" (0.91 mm) ±5%
Tweed/Buckeye	13.6 oz/yd2 (461 g/m2) ±5%		*Tweed/Buckeye*	0.038" (0.97 mm) ±5%
Bamboo/Wheat	14.3 oz/yd2 (485 g/m2) ±5%		*Bamboo/Wheat*	0.044" (1.12 mm) ±5%
Rattan/Umber	14.3 oz/yd2 (485 g/m2) ±5%		*Rattan/Umber*	0.044" (1.12 mm) ±5%
Bark/Tiger Oak	14.3 oz/yd2 (485 g/m2) ±5%		*Bark/Tiger Oak*	0.044" (1.12 mm) ±5%

Fire Classifications:	NFPA 701-2004 TM#1 (small scale) California Technical Bulletin 117, Sect. E, Part 1 IBC Section 903.1 (Class A rating) NFPA 101 (Class A Rating) ASTM E 84
Anti-Microbial Properties:	ASTM E2180. ASTM G21 Includes Microban antimicrobial additives
Certifications:	GreenGuard Gold Melanoma International Foundation Seal of Approval
Environmental Benefits:	RoHS/Directive 2002/95/EC- Lead Free US Consumer Product Safety Commission Section 101 ANSI/WCMA A 100.1-2007 for lead content REACH (EC 1907/2006) compliant
Acoustical Performance:	NRC: 0.15, SAA: 0.16
Care & Cleaning:	The following cleaning practices will not affect the products' ability to resist the growth of microorganisms and are considered safe for routine cleaning. >Clean with mild soap and water. >Commercial and hospital grade cleaners/disinfectants may be used; test in an inconspicious area to ensure compatibility. >Paint solvents will damage the vinyl surface of the fabric and should not be used.

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***	**Glass Performance**

Tweed/Oatmeal 5% open	11	34	55	10	0.3
Bamboo/Wheat 7% open	19	29	52	16	0.32
Rattan/Umber 7% open	18	27	55	12	0.32
Bark/Tiger Oak 5% open	17	24	59	16	0.33
Tweed/Buckeye 5% open	9	28	63	9	0.31

Glass Type: 6mm/ 1/2"air/6mm
Low E on surface #2
Appearance: Clear
Tv- 70
SHGC (G-value)- 0.38

The performance tests were conducted in accordance with EN 14501-2005, ASTM E903-96.
Glass performance tests were conducted using the Lawrence Berkeley National Laboratory Window 6.3 NFRC certified software. Acoustical performance tested in accordance with ASTM C423-09a.

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: 1HA= 1" Heat Absorbing glass.

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