



Natural Weave Linen Solar Screen Fabric Product Specifications

Benefits: The Natural Weave Linen collection features fabrics woven with a slubbed texture and varied colors for a sophisticated, linen-like appearance. In addition to superior durability and minimal maintenance, the fabric's 4% openness provides excellent outward visibility.

Specifications	
Category	Solar Screen Fabric
Openness Factor	3%
UV Blockage	Approx. 97%
Width	98" (249 cm) ±50 mm
Weight	16.1 oz/yd ² (546 g/m ²) ±5%
Composition	<i>Linen/Cream & Linen Burlap</i>
	43% polyester, 57% vinyl on polyester
	<i>Linen/Topaz, Linen/Cinnamon, Linen/Fig</i>
	45% polyester, 55% vinyl on polyester
Thickness	0.052" (0.132 mm) ±5%

Fire Classifications:	NFPA 101 (Class A Rating) California Technical Bulletin 117, Sect. E, Part 1 IBC Section 903.1 (Class A rating)
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Anti-Microbial Properties:	ASTM E2180. ASTM G21 Includes Microban antimicrobial additives
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Certifications:	GreenGuard Gold Melanoma International Foundation Seal of Approval
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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
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Acoustical Performance:	NRC: 0.15, SAA: 0.16
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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 inconspicuous 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				
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Color	Ts	RS	AS	TV	SHGC*	Glass Performance
Cream	22	46	31	21	0.28	Glass Type: 6mm/ 1/2"air/6mm Low E on surface #2
Burlap	10	30	60	9	0.31	
Topaz	11	24	65	10	0.33	Appearance: Clear
Cinnamon	6	20	74	8	0.33	Tv- 70
Fig	6	15	79	8	0.35	SHGC (G-value)- 0.38

Pearl	36	50	14	33	0.32
Taupe	22	39	39	20	0.34
Clay	23	32	45	23	0.36

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.