



# 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:	
<b>Category</b>	Solar Screen Fabric
<b>Openness Factor</b>	3%
<b>UV Blockage</b>	Approximately 97%
<b>Composition</b>	Cream & Burlap: 43% Polyester, 57% Vinyl Topaz, Cinnamon, Fig: 45% Polyester, 55% Vinyl
<b>Thickness</b>	0.052" (0.132 mm) ±5%
<b>Weight</b>	16.1 oz/yd <sup>2</sup> (546 g/m <sup>2</sup> ) ±5%
<b>Width</b>	98" ( 249 cm) ±50 mm
<b>Fire Classifications:</b>	NFPA 101 Class A IBC Section 903.1 Class A California Technical Bulletin 117 Section E Part 1
<b>Anti-Microbial Properties:</b>	ASTM-E2180, ASTM-G21
<b>Certifications:</b>	GreenGuard Gold Melanoma International Foundation Seal of Approval
<b>Environmental Benefits:</b>	RoHS/Directive 2002/95/EC- Lead Free USCPSC Section 101 ANSI/WCMA A 100.1-2007 REACH Compliant
<b>Acoustic Performance:</b>	Noise Reduction Coefficient: 0.15, Sound Absorption Average: 0.16
<b>Care &amp; Cleaning:</b>	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:	
Fabrics installed internally, (Solar Optical Properties) Zero-degree profile			
Solar Screen Colors		<b>T<sub>s</sub></b> = Solar Transmittance	Energy that is allowed to pass through
Color	T <sub>s</sub> RS AS TV SHGC *	<b>R<sub>s</sub></b> = Solar Reflectance	Energy that is reflected away
Cream	22 46 31 21 0.28	<b>A<sub>s</sub></b> = Solar Absorptance	Energy that is absorbed by the fabric
Burlap	10 30 60 9 0.31	<b>T<sub>v</sub></b> = Visible Light Transmission	Percentage of visible light that comes into the room
Topaz	11 24 65 10 0.33	<b>OF</b> = Openness Factor	Percentage of fabric that is open (between the threads)
Cinnamon	6 20 74 88 0.33	<b>SHGC</b> = Solar Heat Gain Coefficient	The percentage of incident solar radiation that is transmitted as heat to the interior through the glass and shading system*
Fig	6 15 79 88 0.35	<b>CL</b> = Clear Glass	
Pearl	36 50 14 33 0.32		
Taupe	22 39 39 20 0.34		
Clay	23 32 45 23 0.36		
		*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
		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.	