



## Aurora Solar Screen Fabric Product Specifications

**Benefits:** Aurora fabric consists of vinyl-coated polyester yarns woven in a 2 x 2 basketweave configuration. It is a value-priced fabric that provides excellent view-through visibility.

Specifications			
<b>Category</b>	Solar Screen Fabric	<b>Composition</b>	27% Polyester
<b>Openness Factor</b>	3% & 5%		73% Vinyl
<b>UV Blockage</b>	Approximately 95-97%	<b>Thickness</b>	0.029" (0.75 mm) ±5%
<b>Weave style</b>	2 x 2 Basketweave	<b>Weight</b>	16.07 oz/yd <sup>2</sup> (545 g/m <sup>2</sup> ) ±5%
		<b>Width</b>	118" ( 300 cm) ±50 mm

<b>Fire Classifications:</b>	NFPA 701 California U.S. Title 19
<b>Anti-Microbial Properties:</b>	ASTM-G21, ASTM-G22
<b>Certifications:</b>	GreenGuard Gold Confidence in Textiles Oko-Tex Standard 100
<b>Environmental Benefits:</b>	Lead Free
<b>Care &amp; Cleaning:</b>	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							Fabrics installed internally, Zero-degree profile
(Solar Optical Properties)							
<b>3% open colors</b>							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.
<b>Color</b>	<b>Ts</b>	<b>RS</b>	<b>AS</b>	<b>TV</b>	<b>SHGC*</b>		
White/Bone		11	58	31	8	0.28	
Bone		11	52	37	6	0.3	
White/Grey		7	46	47	5	0.31	
Grey/Bone		7	39	54	4	0.33	
Charcoal/BRonze		3	7	90	2	0.42	
Charcoal		3	5	92	2	0.42	
<b>5% open colors</b>							
White/Bone		14	58	28	9	0.3	
Bone		14	51	35	11	0.32	
White/Grey		10	45	45	8	0.33	
Grey/Bone		10	39	51	8	0.35	
Charcoal/BRonze		6	7	87	6	0.44	
Charcoal		6	5	89	6	0.44	

**Definition of terms:**

<b>Ts</b> = Solar Transmittance	Energy that is allowed to pass through
<b>Rs</b> = Solar Reflectance	Energy that is reflected away
<b>As</b> = Solar Absorptance	Energy that is absorbed by the fabric
<b>Tv</b> = Visible Light Transmission	Percentage of visible light that comes into the room
<b>OF</b> = Openness Factor	Percentage of fabric that is open (between the threads)
<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*.
<b>CL</b> = Clear Glass	

\*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.

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