



# Kona Solar Screen Fabric

## Product Specifications

**Benefits:** Vinyl-coated fiberglass solar screen fabric, Kona is woven in a basket weave configuration for excellent view-through.

Specifications:	
<b>Category</b>	Solar Screen Fabric
<b>Openness Factor</b>	5% & 10%
<b>UV Blockage</b>	Approximately 90-95%
<b>Weave style</b>	2 x 2 Basketweave
<b>Composition</b>	37% Fiberglass, 63% Vinyl
<b>Thickness</b>	0.021" (0.53 mm)
<b>Weight</b>	14.4 oz/yd2 (488 g/m2)
<b>Width</b>	126"
<b>Fire Classifications:</b>	NFPA 701 TM#1 and #2, NFPA 101 BS 5867 Part 2 Type CAN/ULC-S 109, CAN/CGSB2-4.162-M80 IBC Section 803.1.1 Class A California U.S. Title 19
<b>Anti-Microbial Properties:</b>	ASTM E 2180, ASTM-G21, ASTM-G22, AATCC30 Part 3, ASTM D 3273
<b>Certifications:</b>	GreenGuard Gold
<b>Acoustic Performance:</b>	5%: Noise Reduction Coefficient: 0.1, Sound Absorption Average: 0.11 10%: Noise Reduction Coefficient: 0.05, Sound Absorption Average: 0.06
<b>Environmental Benefits:</b>	RoHS/Directive 2002/95/EC REACH Compliant ANWI/WCMA A 100.1-2007 USCPSC Section 101
<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:		Definition of terms:	
(Solar Optical Properties)			
Fabrics installed internally, Zero-degree profile			
<b>5% open colors</b>		<b>Ts</b> = Solar Transmittance	Energy that is allowed to pass through
<b>Color</b>	<b>Ts</b> <b>RS</b> <b>AS</b> <b>TV</b> <b>SHGC*</b>	<b>Rs</b> = Solar Reflectance	Energy that is reflected away
White	20   67   13   16   0.3	<b>As</b> = Solar Absorptance	Energy that is absorbed by the fabric
Bone	18   55   27   12   0.36	<b>Tv</b> = Visible Light Transmission	Percentage of visible light that comes into the room
Bone/Platinum	12   43   45   10   0.41	<b>OF</b> = Openness Factor	Percentage of fabric that is open (between the threads)
Bronze	5   7   88   6   0.59	<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*
Charcoal/Grey	7   9   84   7   0.58	<b>CL</b> = Clear Glass	
Charcoal	6   4   90   6   0.61		
<b>10% open colors</b>			
White	22   60   18   16   0.34	*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
Bone	19   44   37   15   0.42		
Bone/Platinum	16   38   46   14   0.44		
Bronze	8   5   87   9   0.61		
Charcoal/Grey	11   8   81   12   0.6		
Charcoal	9   4   87   10   0.62		
		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.	