



## E Screen with KOOLBLACK Technology High Performance Solar Screen Product Specifications

Benefits: E Screen with KOOLBLACK Technology is a color-coordinated shade fabric that provides a seamless exterior design appearance and a cost-saving solution when paired with Equinox solar Screen fabric.

### Specifications

Category	High Performance Solar Screen	Composition	36% fiberglass
Openness Factor	3% and 5%		64% vinyl
UV Blockage	Approximately 95-97%	Thickness	0.029" (0.74 mm) ±5%
Weave style	2 x 2 Basket weave	Weight	13.27 oz/y2 (450 g/m2)
		Width	122"

Fire Classifications:	NFPA 701-10 TM#1 California U.S. Title 19 CAN/ULC-S109-03 Small Flame Test
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Anti-Microbial Properties:	ASTM E2180, ASTM G21
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Certifications:	GreenGuard Gold
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Environmental Benefits:	RoHS- Lead Free
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Acoustical Performance:	NRC: 0.15, SAA: 0.17
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Care & Cleaning: Remove dust with vacuum cleaner (soft brush attachment) or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the shade down until completely dry. You can 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 (Solar Optical Properties)

Fabrics installed internally,  
**Zero-degree profile**

Color	Ts	RS	AS	TV	SHGC*
<i>3% open colors</i>					
Cocoa/Apricot	19	42	39	7	0.32
Charcoal/Cocoa	17	35	48	6	0.33
Charcoal/Charcoal	17	34	49	6	0.33
<i>5% open colors</i>					
Cocoa/Apricot	21	39	40	10	0.32
Charcoal/Cocoa	19	32	49	7	0.33
Charcoal/Charcoal	18	33	49	6	0.33

**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>NRC</b> = Noise Reduction Coefficient	
<b>SAA</b> = Sound Absorption Average	
<b>CL</b> = Clear Glass	

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