E Screen with KOOLBLACK Solar Screen Fabric

Product Specifications

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

Specifications:			
Category	High Performance Solar Screen Fabric	**Composition**	36% Fiberglass, 64% Vinyl
Openness Factor	1%, 3%, & 5%	**Thickness**	0.029" (0.75 mm) ±5%
UV Blockage	Approximately 95-99%	**Weight**	13.27 oz/yd2 (450 g/m2)
Weave style	2 x 2 Basketweave	**Width**	122"

Fire Classifications:	NFPA 701 California U.S. Title 19 CAN/ULC-S109-03 Small Flame Test
Anti-Microbial Properties:	ASTM-E2180, ASTM-G21
Certifications:	GreenGuard Gold
Acoustic Performance:	Noise Reduction Coefficient: 0.15, Sound Absorption Average: 0.17
Environmental Benefits:	RoHS: Lead Free
Care & Cleaning:	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 abrisives 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: (Solar Optical Properties)	Fabrics installed internally, Zero-degree profile				
Color					
1% open colors	**Ts**	**RS**	**AS**	**TV**	**SHGC***
Cocoa/Apricot	14	39	47	3	0.46
Charcoal/Cocoa	12	36	52	2	0.48
Charcoal/Grey	11	40	49	2	0.47
Charcoal	12	35	53	2	0.48
3% open colors					
Cocoa/Apricot	19	42	39	7	0.32
Charcoal/Cocoa	17	35	48	6	0.33
Charcoal/Grey	17	34	49	6	0.33
Charcoal	17	34	49	6	0.46
5% open colors					
Cocoa/Apricot	21	39	40	10	0.32
Charcoal/Cocoa	19	32	49	7	0.33
Charcoal/Grey	18	33	49	6	0.33
Charcoal	18	33	49	6	0.46

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*
CL= Clear Glass	

*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 coefficieint. 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.

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