



T Screen with KOOLBLACK Technology High Performance Solar Screen Product Specifications

Benefits:

T Screen with KOOLBLACK Technology is a dual-colored shade fabric that combines the superior heat reflectivity of white fabric with the glare control and view-through of a dark fabric.

Specifications

Category	High Performance Solar Screen	Composition	36% fiberglass
Openness Factor	3% and 5%		64% vinyl
UV Blockage	Approximately 95-97%	Thickness	0.027" (0.69 mm) ±5%
Weave style	Satin	Weight	12.48 oz/y2 (423 g/m2)
		Width	122"

Fire Classifications:	NFPA 701-10 TM#1 California U.S. Title 19
Anti-Microbial Properties:	ASTM E2180, ASTM G21
Certifications:	GreenGuard Gold
Environmental Benefits:	RoHS- Lead Free
Acoustical Performance:	NRC: 0.15, SAA: 0.17

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
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Color	Ts	RS	AS	TV	SHGC*
3% open colors					
White/Grey (dark side)	16	50	34	10	0.31
White/Grey (light side)	15	65	20	9	0.29
White/Cocoa (dark side)	16	44	40	9	0.32
White/Cocoa (light side)	15	62	23	8	0.29
White/Charcoal (dark side)	16	43	41	9	0.32
White/Charcoal (light side)	15	62	23	8	0.29
5% open colors					
White/Grey (dark side)	17	47	36	11	0.31
White/Grey (light side)	17	60	23	10	0.29
White/Cocoa (dark side)	18	41	41	10	0.32
White/Cocoa (light side)	17	57	26	10	0.3
White/Charcoal (dark side)	18	39	43	10	0.32
White/Charcoal (light side)	17	57	26	9	0.3

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: Double Glazing 6 mm / 1/2" air / 6 mm with low E on surface #2.

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