



Keystone Twill Solar Screen Fabric

Product Specifications

Benefits: Keystone Twill solar screen fabric features a unique twill weave pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction, and improved visibility. The fabric's texture is different on front and back sides, and front and back are different colors with the exception of Oyster.

Specifications:	
Category	Solar Screen Fabric
Openness Factor	1%, 3%, & 5%
UV Blockage	Approximately 95-99%
Weave style	2 x 2 Basketweave
Composition	36% Fiberglass, 64% Vinyl
Width	126"
Thickness	1%: 0.027" (0.66 mm) 3%: 0.028" (0.71 mm) 5%: 0.025" (0.64 mm)
Weight	1%: 14.6 oz/yd ² (495 g/m ²) 3%: 14 oz/yd ² (475 g/m ²) 5%: 11.8 oz/yd ² (379 g/m ²)
Fire Classifications:	NFPA 701 TM#1, TM #2, and Class A Rating California U.S. Title 19 BS 5867 Part 2 type B Performance IBC Section 803.1.1 Class A Rating CAN/CGSB2-4.162-M80 CAN/ULC-S109
Anti-Microbial Properties:	ASTM-E2180, ASTM-G21, ASTM-G22, AATCC30 Part 3, ASTM-D-3272, ASTM-6329
Certifications:	GreenGuard Gold
Acoustic Performance:	1%: Noise Reduction Coefficient: 0.15, Sound Absorption Average: 0.15 3%: Noise Reduction Coefficient: 0.1, Sound Absorption Average: 0.09 5%: Noise Reduction Coefficient: 0.05, Sound Absorption Average: 0.06
Environmental Benefits:	RoHS/Directive 2002/95/EC REACH Compliant USCPSC Section 101 ANSI/WCMA A 100.1-2007 for Lead Content
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 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:	
Fabrics installed internally, (Solar Optical Properties) Zero-degree profile			
Color		Ts = Solar Transmittance	Energy that is allowed to pass through
1% open colors	Ts RS AS TV SHGC *	Rs = Solar Reflectance	Energy that is reflected away
Oyster	21 64 15 17 0.31	As = Solar Absorptance	Energy that is absorbed by the fabric
Oyster/Beige	15 57 28 12 0.33	Tv = Visible Light Transmission	Percentage of visible light that comes into the room
Oyster/Charcoal	5 39 56 6 0.41	OF = Openness Factor	Percentage of fabric that is open (between the threads)
Oyster/Pearl Grey	8 54 38 4 0.34	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 *
Oyster/Pewter	6 43 51 6 0.39	CL = Clear Glass	
3% open colors		*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.	
Oyster	22 63 16 19 0.32	The solar optical properties are used to calculate the shading coefficient. The shading coefficient	
Oyster/Beige	15 58 27 13 0.33		
Oyster/Charcoal	7 40 53 8 0.42		
Oyster/Pearl Grey	9 53 38 9 0.35		
Oyster/Pewter	8 44 48 9 0.4		
5% open colors			
Oyster	22 62 16 20 0.32		

Oyster/Beige	23	54	23	21	0.37
Oyster/Charcoal	12	40	48	14	0.43
Oyster/Pearl Grey	19	51	30	21	0.38
Oyster/Pewter	11	46	43	12	0.39

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.