Equinox Solar Screen Fabric

Product Specifications

Benefits: Equinox solar screen fabric is woven in a 2 x 2 basketweave configuration to maximize clarity of view. Available in 4 openness choices to provide versatility, and in wide roll widths to minimize the need to railroad larger shades.

Specifications			
Category	Solar Screen Fabric	**Composition**	36% fiberglass
Openness Factor	1%, 3%, 5% and 10%		64% vinyl
Weave style	2 x 2 Basket weave		0.024" (0.55 mm) ±5%
		Width	118" (300 cm) ±50 mm)
UV Blockage	1% Approx. 99%	**Thickness**	1%- 0.020" (0.52 mm) ±5%
	3% Approx. 97%		3%- 0.017" (0.43 mm) ±5%
	5% Approx. 95%		5%- 0.016" (0.41 mm) ±5%
	10% Approx. 90%		10%- 0.022" (0.52 mm) ±5%
Weight	1% 13.3 oz/yd2 (452 g/m2) ±5%		
	3% 11.6 oz/yd2 (393 g/m2) ±5%		
	5% 10.7 oz/yd2 (363 g/m2) ±5%		
	10% 10.3 oz/yd2 (350 g/m2) ±5%		

Fire Classifications:	NFPA 701-10 TM#1 California U.S. Title 19 CAN/ULC-S209-03 Small Flame Test
Anti-Microbial Properties:	ASTM E2180, ASTM G21
Certifications:	GreenGuard Gold
Environmental Benefits:	RoHS- Lead Free
Acoustical Performance:	NRC: 0.40, SAA: 0.40
Care & Cleaning:	Remove dust with vacuum cleaner (soft brush attachment) or compressed air. Do not scrub. Do not use solvents or any abrasive substances 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 blind 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

1% open colors

Color	**Ts**	**RS**	**AS**	**TV**	**SHGC***
White/White	14	75	11	11	0.27
White/Linen	14	66	20	10	0.28
White/Pearl	9	58	33	6	0.3
Linen/Linen	15	53	32	11	0.3
Cocoa/Apricot	3	17	80	2	0.35
Charcoal/Cocoa	2	5	93	2	0.37
Charcoal/Grey	3	9	88	2	0.36
Charcoal/Charcoal	1	4	95	1	0.37

The performance tests were conducted in accordance with EN 14501-2005, ASTM E903-96. Glass performance tests were conducted using the Lawrence Berkeley National Laboratory Window 6.3 NFRC certified software. Acoustical performance tested in accordance with ASTM C423-09a.

3% open colors					
White/White	16	73	11	13	0.27
White/Linen	16	63	21	12	0.29
White/Pearl	10	52	38	8	0.3
Linen/Linen	18	52	30	13	0.3
Cocoa/Apricot	7	19	74	6	0.35
Charcoal/Cocoa	4	7	89	3	0.37
Charcoal/Grey	5	10	85	5	0.36
Charcoal/Charcoal	5	4	91	4	0.37
5% open colors					
White/White	20	71	9	17	0.28
White/Linen	20	62	18	16	0.29
White/Pearl	12	51	37	9	0.31
Linen/Linen	22	50	28	17	0.31
Cocoa/Apricot	10	17	73	8	0.35
Charcoal/Cocoa	7	6	87	7	0.37
Charcoal/Grey	7	10	83	7	0.36
Charcoal/Charcoal	4	6	90	4	0.37
10% open colors					
White/White	25	66	9	22	0.28
White/Linen	25	58	17	22	0.3
White/Pearl	20	50	30	18	0.31
Linen/Linen	27	47	26	23	0.31
Cocoa/Apricot	14	16	70	13	0.35
Charcoal/Cocoa	11	5	84	11	0.37
Charcoal/Grey	12	8	80	11	0.37
Charcoal/Charcoal	12	3	85	12	0.37

Glass Performance

Glass Type: 6mm/ 1/2"air/6mm Low E on surface #2

Appearance: Clear

Tv- 70

SHGC (G-value)- 0.38

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*.
NRC= Noise Reduction Coefficient	
SAA= Sound Absorption Average	
CL= Clear Glass	

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

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