

Technical Specifications, Natural Weave Solar Screen Fabric



Solar Screen Fabric Collection

Name: Natural Weave
Composition: Vinyl-coated Polyester

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Standard Pkg'g: Rolls of 30 ly (27 lm)
Thickness: .039" to .052"; colors vary
Weight: 14.1 oz/yd² to 16.1 oz/yd²; colors vary
Width: 98"

Solar Heat Control Properties

Fabrics Installed Internally, Zero-Degree Profile Angle

Natural Weave Average Openness 5-10%	Solar Optical Properties*				Interior Shading Coefficient w/ Single Insulating			
	TS	RS	AS	TV	1/4" CL	1/4" HA	1" CL	1" HA
Bamboo Wheat	19	29	52	16	0.58	0.45	0.52	0.37
Bark Cedar	22	17	61	16	0.66	0.49	0.59	0.41
Bark Tiger Oak	17	24	59	16	0.60	0.46	0.54	0.38
Honeycomb/Brown Sugar	19	26	55	15	0.60	0.46	0.54	0.38
Moire Mocha	17	23	60	15	0.61	0.46	0.55	0.38
Rattan Umber	18	27	55	12	0.59	0.45	0.53	0.37
Thatch/Wheat Grass	11	26	63	11	0.58	0.45	0.52	0.37
Tweed Buckeye	9	28	63	9	0.56	0.44	0.51	0.36
Tweed Oatmeal	11	34	55	10	0.53	0.42	0.48	0.35
Wicker Mushroom	15	24	61	11	0.60	0.46	0.54	0.38
Natural Weave Linen Average Openness 3%	Solar Optical Properties*				Interior Shading Coefficient w/ Single Insulating			
	TS	RS	AS	TV	1/4"CL	1/4" HA	1" CL	1" HA
Linen/Cranberry	7	17	76	8	0.62	0.47	0.57	0.39
Linen/Cinnamon	6	20	74	8	0.60	0.46	0.55	0.38
Linen/Topaz	11	24	65	10	0.59	0.45	0.53	0.38
Linen/Burlap	10	30	60	9	0.55	0.43	0.50	0.36
Linen/Cream	22	46	31	21	0.48	0.39	0.43	0.32
Linen/Fig	6	15	79	8	0.63	0.48	0.57	0.40

* Performance evaluations conducted by Matrix, Inc., Mesa Arizona

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TS = Solar Transmittance
 RS = Solar Reflectance
 AS = Solar Absorptance
 TV = Visual Transmittance

1/4 CL = 1/4" Clear Glass
 1/4 HA = 1/4" Heat Absorbing Glass
 1CL = 1" Clear Glass
 1HA = 1" Heat Absorbing Glass

The Solar Optical Properties are used to calculate the shading coefficient. 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. For complete technical information, current test results, performance specifications and larger samples, contact the Marketing Department at Insolroll, Inc.

Fire Classifications:	California Technical Bulletin 117, Sect. E. Part 1 NFPA 101 (Class A Rating), and UBC (Class 1)
Bacterial/Fungal Resistance	ASTM E 2180, ASTM G21 and ASTM G22; includes Microban
Environmental Certifications	GreenGuard Certified and GreenGuard for Children and Schools Certified
Environmental Benefits:	Lead Free; RoHS/ Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100. 1-2007 for lead content and REACH (EC 1907/2006) compliant.