

Technical Specifications, Kona Solar Screen Fabric



Solar Screen Fabric Collection

Name: Kona Solar Screen Fabric
Composition: 37% Fiberglass, 63% Vinyl on Fiberglass
Thickness: .019"
Weight: 14.26 oz/yd²
Width: 126"

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Solar Heat Control Properties

Fabrics Installed Internally, Zero-Degree Profile Angle

Kona Solar Screen Average Openness 5%	Solar Optical Properties*				Internal Shading Coefficient w/		
					Single	Insulating	
	TS	RS	AS	TV	1/8" CL	1/4" CL	1/4" HA
White	20	67	13	16	0.33	0.34	0.03
White/Bone	18	61	21	13	0.37	0.37	0.34
Bone	18	55	27	12	0.42	0.41	0.36
Bronze	5	7	88	6	0.72	0.68	0.50
Platinum	10	35	55	9	0.54	0.52	0.42
Charcoal	6	4	90	6	0.74	0.70	0.51
Charcoal/Chestnut	6	7	87	6	0.72	0.68	0.50

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

TS = Solar Transmittance

1/4 CL = 1/4" Clear Glass

RS = Solar Reflectance

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

AS = Solar Absorptance

1CL = 1" Clear Glass

TV = Visual Transmittance

1HA = 1" Heat Absorbing Glass

*Performance evaluations conducted by Matrix, Inc., Mesa

Arizona. 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 U.S. Title 19 (xsmall scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class 1), BS 5867 2008 Part 2 Type B Performance, CAN/ULC-S 109 (large and small scale) and FNPA 701 TM#2 (large scale).

Bacterial/Fungal Resistance:

ASTM E 2180, ASTM G22 AATCC30 Part 3, ASTM G21, ASTM D 3273, GreenGuard Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives.

Environmental Certification:

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 and ANSI/WCMA A100.1-2007 for lead content.