



Eclipse Blackout Fabric Product Specifications

Benefits: Eclipse blackout fabric is uniquely designed to provide total light blockage when complete room darkening is desired, and provides complete privacy with no view-through. With a range of decorator colors and the look and feel of rich cloth and a PVC-free composition, Eclipse will enhance the beauty and function of any room.

Specifications	
Category	Blackout Fabric
Openness Factor	0%; opaque
Weave style	Plain weave
UV Blockage	100%
Composition	100% polyester with acrylic foamed backing; PVC-free
Width	118" (300 cm) ±50 mm
Weight	13.41 oz/yd ² (454.67 g/m ²) ±5%
Thickness	0.026" (0.66 mm) ±5%

Fire Classifications:	NFPA 701-2004 TM#1 (small scale) California U.S. Title 19 (small scale) BS 5867 2008 Part 2 Type B Performance, CAN/ULC-S109-03 (large and small scale) ASTM E 84 (Class 1) CAN/CGSB2-4.162-M80
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Anti-Microbial Properties:	ASTM G21-96 AATCC 174-1998 Part II and III
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Certifications:	GreenGuard Gold Melanoma International Foundation Seal of Approval
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Environmental Benefits:	RoHS/Directive 2002/95/EC- Lead Free US Consumer Product Safety Commission Section 101 ANSI/WCMA A 100.1-2007 for lead content PVC-free
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Acoustical Performance:	NRC: 0.10, SAA: 0.08
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Care & Cleaning: Fabric should be regularly dusted/vacuumed (soft brush attachment) as appropriate. If commercial spot cleaners are used, they must first be tested and allowed to dry on an inconspicuous area to ensure compatibility.

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					Glass Performance
Color	Ts	RS	AS	TV	SHGC*		
White	0	64	36	0	0.21	Glass Type: 6mm/ 1/2"air/6mm	
Sand	0	64	36	0	0.21	Low E on surface #2	
Cocoa	0	64	36	0	0.21	Appearance: Clear	
Mushroom	0	64	36	0	0.21	Tv- 70	
Graphite	0	64	36	0	0.21	SHGC (G-value)- 0.38	
Onyx	0	64	36	0	0.21		

Solar Heat Gain Coefficient (SHGC) shown calculated according to Office of Building Technology, State and Community Programs,

Energy Efficiency and Renewable Energy, U.S. Department of Energy's definition of SHGC. SHGC represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system. If you are using glass whose performance is listed in terms of Shading Coefficient (SC), you may convert to SHGC by multiplying the SC by 0.87.

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: 1HA= 1" Heat Absorbing glass.