

## Technical Specifications, Stratus Solar Screen Fabric



### Solar Screen Fabric Collection

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**Name:** Stratus Solar Screen Fabric  
**Composition:** 24% Polyester, 76% Vinyl-coated Polyester  
**Breaking Strength:** Warp 400/Fill 120 (lbs)  
**Stretch:** Warp 1.0%/ Fill 3.0%  
**Standard Pkg'g:** Rolls of 30 ly (27 lm)  
**Thickness:** .036"  
**Weight:** 18.5 oz/yd<sup>2</sup>  
**Width:** 96"

#### Solar Heat Control Properties

#### Fabrics Installed Internally, Zero-Degree Profile Angle

Stratus Average Openness 1%	Solar Optical Properties*				Internal Shading Coefficient w/ Single Insulating			
	TS	RS	AS	TV	1/4CL	1/4HA	1CL	1HA
Chalk	8	77	15	6	0.22	0.26	0.24	0.21
Pearl	4	67	29	3	0.30	0.30	0.29	0.24
Sand	1	51	48	1	0.40	0.35	0.38	0.29
Mocha	0	12	88	1	0.64	0.48	0.58	0.40
Taupe	1	41	58	0	0.46	0.38	0.43	0.32
Ebony	0	3	97	0	0.69	0.51	0.63	0.43
Clay	0	32	68	0	0.51	0.41	0.48	0.34
Mink	0	7	93	0	0.67	0.49	0.61	0.42

\* 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:

NFPA 701-2004 TM#1 (small scale), California U.S. Title 19 (small scale), NFPA 101 (Class A Rating), UBC (Class 1), UBC (Class i), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale and CAN/ULC S109-M-87

#### Bacterial/Fungal Resistance

ASTM E 2180, ASTM G22

#### 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.

#### Environmental Certifications:

GreenGuard Certified and GreenGuard for Children & Schools Certified