INSOLROLL ELEMENTS®

Aegean Solar Screen Fabric

Product Specifications

Benefits: Decorative Fire-rated (FR) solar screen fabric with a horizontal texture created with large threads with color variation. 33.6% fiberglass, 59.6% vinyl, 6.8% polyester, with 1% and 4% openness in 4 colors.

Specifications:			
Category	Solar Screen Fabric	**Composition**	33.6% Fiberglass, 59.6% Vinyl, 6.8% Polyester
Openness Factor	1% & 4%	**Thickness**	0.037"
UV Blockage	Approximately 96-99%	**Weight**	18.9 oz/yd2
		Width	122"

Fire Classifications:	NFPA 701-10 TM#1 CAN/ULC-S109-03 California U.S. Title 19
Anti-Microbial Properties:	ASTM-G21, ASTM-E2180
Certifications:	GreenGuard Gold
Environmental Benefits:	RoHS- Lead Free
Care & Cleaning:	Remove dust with a vacuum cleaner or compressed air. Clean with a sponge and warm soapy water using mild detergent. Rinse with clean water. Do not scrub. Do not use solvents or abrisives that could harm the coating of the fabric. Leave the blind down until completely dry. You may 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***
Porcelain	10	63	27	8	0.3
Papyrus	7	39	54	5	0.43
Marble	8	56	36	6	0.33
Granite	5	34	61	3	0.44
4% open colors					
Porcelain	12	59	29	10	0.36
Papyrus	11	38	51	9	0.48
Marble	10	48	42	9	0.41
Granite	9	31	60	8	0.51

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*
CL= Clear Glass	

*Glass tested: 1/4" Heat Absorbing. SHGC was calculated by multiplying SC (Shading Coefficient provided by mill) by 0.87.

The solar optical properties are used to calculate the shading coefficieint. 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.

Insolroll Window Shading Systems | 637 S. Pierce Ave. | Louisville, CO | 80027
tel 303.665.1207 | www.insolroll.com