

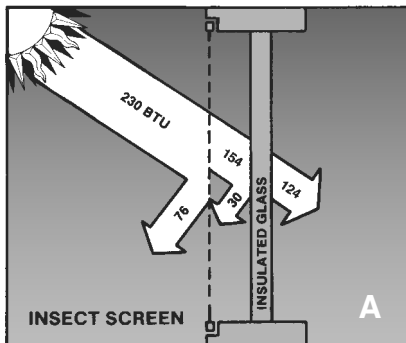
# Exterior Sun Control Fabrics

Phifer®  
Solar Insect Screening

## Solar Insect Screening Exterior Shading Fabric

Looks like a screen...  
works like a sun shade.

A dual-purpose fabric, Phifer Solar Insect Screening offers the ultimate in insect protection while at the same time stopping up to 65% of the sun's heat and glare. This vinyl-coated fiberglass fabric improves daytime privacy and offers excellent outward visibility. Because it is normally installed on the outside, Phifer Solar Insect Screening works whether windows are open or closed. The openness of this 20x30 mesh is small enough to keep out tiny insects.



### Shading Performance of Regular Insect Screening versus Solar Insect Screening

Diagram A:  
■ Regular Fiberglass Insect Screening offers about 30% shading.

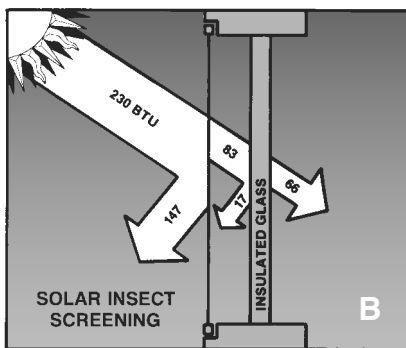


Diagram B:  
■ Phifer Solar Insect Screening blocks up to 65% of the sun's hot rays.

- Flame retardant • Light filtering
- Sun control • Reduces fading
- Tight weave for excellent insect protection
- Looks like regular insect screening
- Very good outward visibility

Standard Colors: Charcoal and Silver Gray.  
Standard Widths: 36", 48", 60", 72" and 84"  
(91.4cm, 121.9cm, 152.4cm, 182.9cm and 213.4cm)  
Standard Roll Length: 100 Linear Feet (30.48M)

### Solar Heat Control Properties of Phifer Solar Insect Screening Fabrics Installed Externally, Thirty-Degree Profile Angle

Color	*Solar Optical Properties			Shading Coefficient w/		
	TS	RS	AS	1/8CL	1/4CL	1/4HA
Charcoal	31	5	64	0.40	0.39	0.37
Silver Gray	30	10	60	0.38	0.38	0.35

### Solar Heat Control Properties of Phifer Solar Insect Screening Fabrics Installed Externally, Eighty-Five-Degree Profile Angle

Color	*Solar Optical Properties			Shading Coefficient w/		
	TS	RS	AS	1/8CL	1/4CL	1/4HA
Charcoal	5	23	72	0.13	0.13	0.13
Silver Gray	12	21	67	0.20	0.20	0.19

\* Performance evaluations conducted by Matrix, Inc., Mesa, Arizona.  
TS = Solar Transmittance • RS = Solar Reflectance • AS = Solar Absorptance  
1/8 CL = 1/8" Clear Glass • 1/4 CL = 1/4" Clear Glass • 1/4HA = 1/4" 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, test results, performance specifications and larger samples, contact our Sun Control Marketing Department.



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