

# SheerWeave® Style 4550/4650

## Specifications

■ Using thin polyester yarns and a unique twill weave, Styles 4550 and 4650 are easy to fabricate and offer a distinct two-sided appearance that maximizes both visibility and solar heat reduction.

**Fire Classification:** California U.S. Title 19 (small scale), ASTM E 84 (Class 1), BS 5867 2008 Part 2 Type B Performance, and NFPA 701 TM#1 Small Scale

**Bacteria and Fungal Resistance:** ASTM E 2180 and ASTM G 22

**Environmental Certification:** GREENGUARD Certified and GREENGUARD for Children and Schools Certified

**Lead Free:** RoHS / Directive 2002/95/EC, US Consumer Product Safety Commission Section 101 and ANSI/WCMA A100.1-2007 for lead content



## Style 4550

**Standard Colors:** Granite, Linen, Coal and Chestnut  
**Standard Widths:** 63" and 98" (160.0cm and 248.9cm)  
**Standard Roll Length:** 30 Linear Yards (27.4m)  
**Composition:** 17% Polyester, 83% Vinyl on Polyester  
**Mesh Weight:** 12.5 oz/yd<sup>2</sup> (423.83 g/m<sup>2</sup>)  
**Fabric Thickness:** .025 in (0.64mm)  
**Openness Factor:** Approximately 5%  
**UV Blockage:** Approximately 95%  
**Breaking Strength (lb):** 182 Warp, 129 Fill  
**Stiffness (mg):** 216 Warp, 159 Fill

Solar Heat Control Properties of  
Phifer SheerWeave Style 4550  
Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/				
		TS	RS	AS	TV	Single			Insulating	
		1/8CL	1/4CL	1/4HA	1CL	1HA				
P10	Granite	7	56	37	8	0.38	0.38	0.34	0.36	0.28
P65	Linen	9	59	32	10	0.36	0.36	0.33	0.34	0.27
V45	Coal	8	48	44	9	0.44	0.43	0.37	0.40	0.30
V47	Chestnut	9	48	43	11	0.44	0.43	0.37	0.40	0.30

## Style 4650

**Standard Colors:** Granite, Linen, Coal and Chestnut  
**Standard Widths:** 63" and 98" (160.0cm and 248.9cm)  
**Standard Roll Length:** 30 Linear Yards (27.4m)  
**Composition:** 17% Polyester, 83% Vinyl on Polyester  
**Mesh Weight:** 13.3 oz/yd<sup>2</sup> (450.96 g/m<sup>2</sup>)  
**Fabric Thickness:** .026 in (0.66mm)  
**Openness Factor:** Approximately 3%  
**UV Blockage:** Approximately 97%  
**Breaking Strength (lb):** 180 Warp, 135 Fill  
**Stiffness (mg):** 215 Warp, 175 Fill

Solar Heat Control Properties of  
Phifer SheerWeave Style 4650  
Fabrics Installed Internally, Zero-Degree Profile Angle

Style No.	Color	*Solar Optical Properties				Shading Coefficient w/				
		TS	RS	AS	TV	Single			Insulating	
		1/8CL	1/4CL	1/4HA	1CL	1HA				
P10	Granite	6	55	39	8	0.39	0.38	0.34	0.36	0.28
P65	Linen	7	58	35	8	0.37	0.37	0.33	0.35	0.27
V45	Coal	5	47	48	7	0.44	0.43	0.37	0.40	0.30
V47	Chestnut	7	48	45	8	0.44	0.43	0.37	0.40	0.30

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

TS = Solar Transmittance      1/8 CL = 1/8" Clear Glass  
 RS = Solar Reflectance      1/4 CL = 1/4" Clear Glass  
 AS = Solar Absorption      1/4HA = 1/4" Heat Absorbing Glass  
 TV = Visual Transmittance

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 our Sun Control Marketing Department.



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