



STYLE  
4650 / 4550

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WEAVING  
EXCELLENCE  
WITH  
INNOVATION



Code	Color	SOLAR OPTICAL PROPERTIES				SHGC/G VALUE	
		TS	RS	AS	TV	<i>SINGLE</i> 1/4 CL	<i>INSULATING</i> 1 HA
<b>STYLE 4650 - 3%</b>							
P10	Granite	6	55	39	8	0.33	0.24
P65	Linen	7	58	35	8	0.31	0.23
V45	Coal	5	47	48	7	0.37	0.26
V47	Chestnut	7	48	45	8	0.37	0.26
<b>STYLE 4550 - 5%</b>							
P10	Granite	7	56	37	8	0.33	0.24
P65	Linen	9	59	32	10	0.32	0.23
V45	Coal	8	48	44	9	0.37	0.26
V47	Chestnut	9	48	43	11	0.37	0.26



PROTECTION THAT LIVES ON  
**MICROBAN**

Microban® antimicrobial protection inhibits the growth of stain-causing bacteria, mold and mildew on the shade.



PRODUCT CERTIFIED FOR  
 LOW CHEMICAL EMISSIONS  
 UL.COM/GG  
 UL 2818



MIF Seal of Approval



TS = Solar Transmittance  
 RS = Solar Reflectance  
 AS = Solar Absorption  
 TV = Visual Transmittance

SHGC = Solar Heat Gain Coefficient

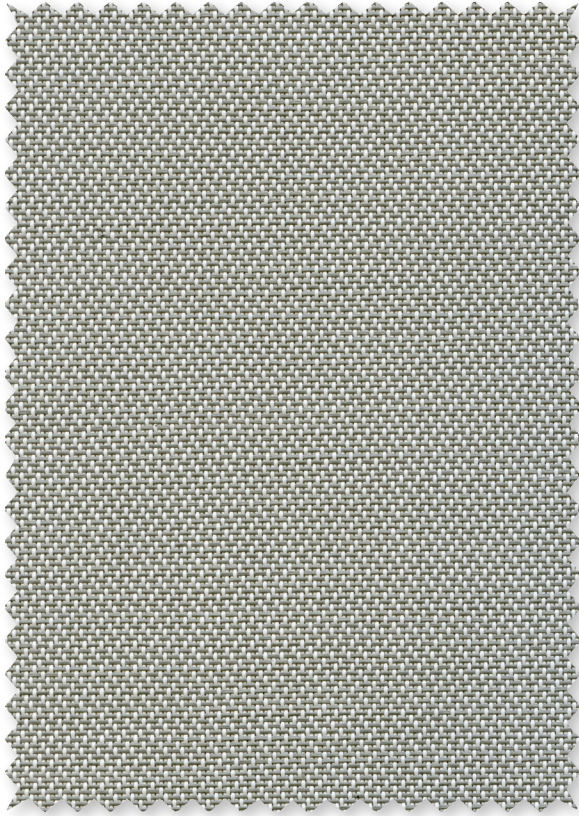
1/4 CL = 1/4" Clear Glass  
 1 HA = 1" Heat Absorbing Glass

Fabrics Installed Internally  
 Zero-Degree Profile Angle

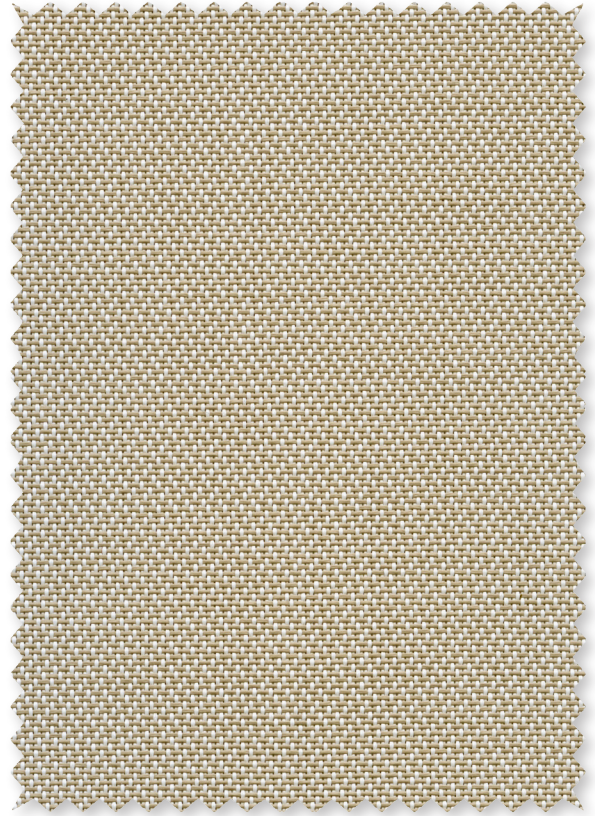
For additional performance values, test references and technical definitions visit us at [www.phifer.com](http://www.phifer.com).



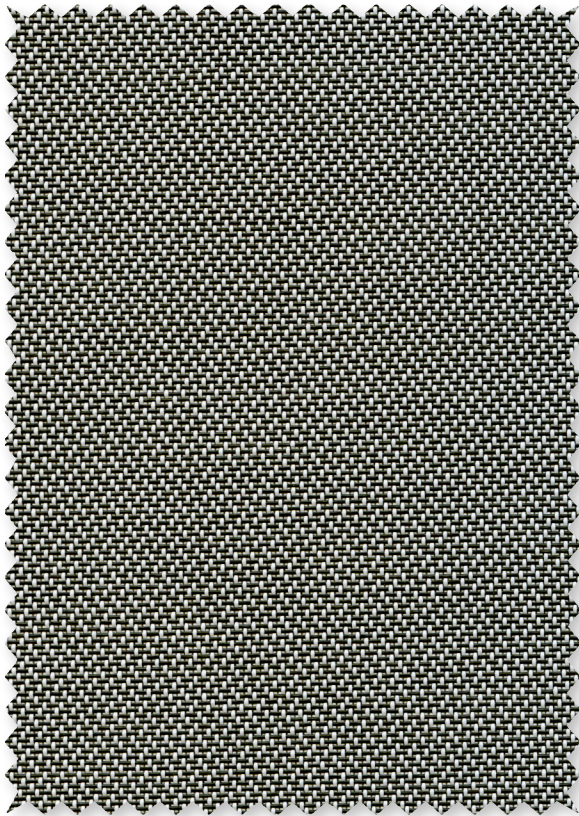
P10 Granite



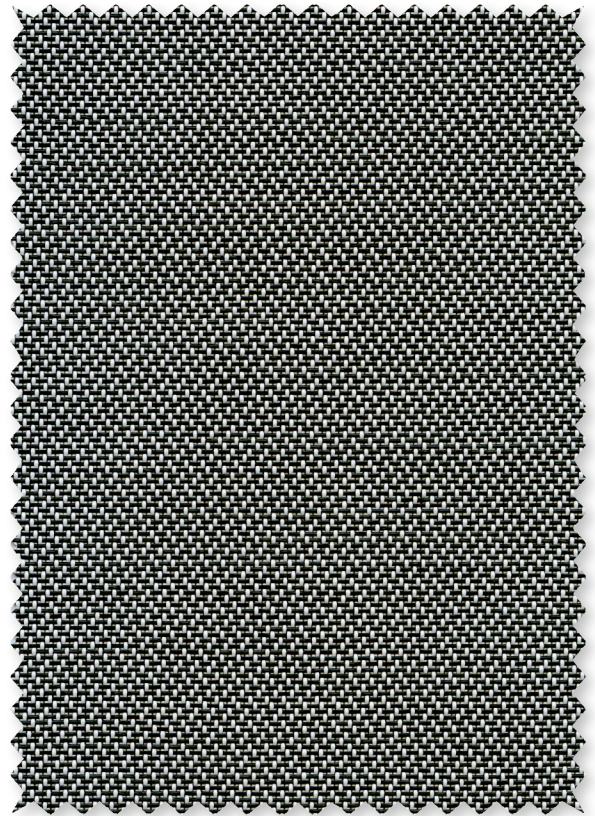
P65 Linen



V47 Chestnut



V45 Coal





# STYLE 4650 / 4550 SPECIFICATIONS

Using thin polyester yarns and a unique twill weave, Styles 4650 and 4550 are easy to fabricate and offer a distinct two-sided appearance that maximizes both visibility and solar heat reduction. Style 4650/4550 can also be used in exterior roller shades.

<b>FIRE CLASSIFICATION</b>	California U.S. Title 19 (small scale) NFPA 101 (Class A Rating) BS 5867 Part 2 Type B Performance CAN/ULC-S 109-03 (large and small scale)	NFPA 701 TM#1 (small scale) IBC Section 803.1.1 (Class A Rating) NFPA 701 TM#2 (large scale)
<b>BACTERIA AND FUNGAL RESISTANCE</b>	ASTM E 2180 ASTM G21 ASTM D 3273 GREENGUARD Mold and Bacteria Standard ASTM 6329 includes Microban antimicrobial additives	AATCC30 Part 3
<b>ENVIRONMENTAL CERTIFICATION</b>	GREENGUARD GREENGUARD Gold	Certified to these standards for low chemical emissions into indoor air during product usage
<b>LEAD FREE</b>	RoHS/Directive 2002/95/EC ANSI/WCMA A 100.1-2007 for lead content US Consumer Product Safety Commission Section 101	REACH (EC 1907/2006) compliant
<b>WARRANTY</b>	10-year interior 5-year exterior	
<b>ACOUSTICAL PERFORMANCE</b>	NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a	
<b>UV PROTECTION</b>	Seal of Approval by the Melanoma International Foundation (MIF) for effectiveness in preventing sun damage to the skin or eyes	

STYLE	4650	4550
<b>WIDTHS</b>	63" and 98" 160.0 cm and 248.9 cm	63" and 98" 160.0 cm and 248.9 cm
<b>ROLL LENGTH</b>	30 Linear Yards 27.4 m	30 Linear Yards 27.4 m
<b>COMPOSITION</b>	17% Polyester 83% Vinyl on Polyester	17% Polyester 83% Vinyl on Polyester
<b>MESH WEIGHT</b>	13.3 oz/yd <sup>2</sup> 450.96 g/m <sup>2</sup>	12.5 oz/yd <sup>2</sup> 423.83 g/m <sup>2</sup>
<b>FABRIC THICKNESS</b>	0.026 in 0.66 mm	0.025 in 0.64 mm
<b>OPENNESS FACTOR</b>	Approximately 3%	Approximately 5%
<b>UV BLOCKAGE</b>	Approximately 97%	Approximately 95%
<b>ACOUSTICAL VALUE</b>	NRC .15 / SAA .18	NRC .10 / SAA .11



P. O. Box 1700 • Tuscaloosa, Alabama 35403-1700 USA  
 Phone: 205.345.2120 • FAX: 205.391.0799  
 Toll Free USA/Canada: 1.800.221.5497  
 www.phifer.com • ISO Registered



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