



PERFORMANCE+  
Metallized Fabric

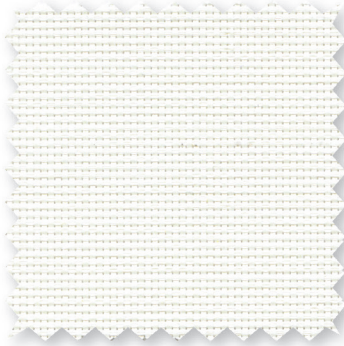
STYLE  
2500+ / 2410+ / 2390+

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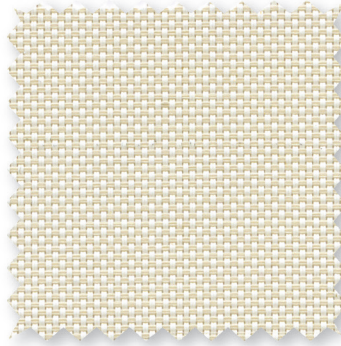
WEAVING  
EXCELLENCE  
WITH  
INNOVATION



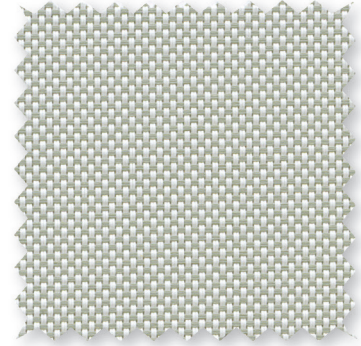
P12 Oyster



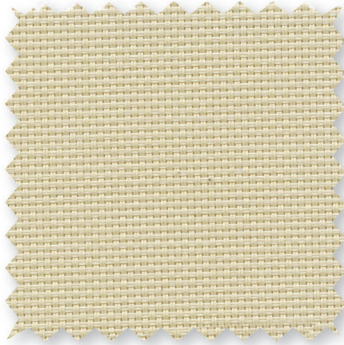
P13 Oyster/Beige



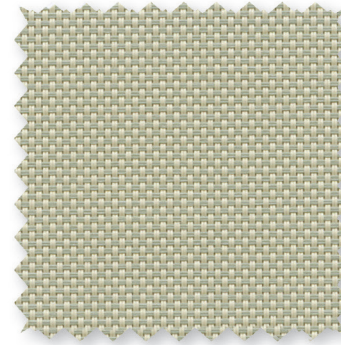
P14 Oyster/Pearl Gray



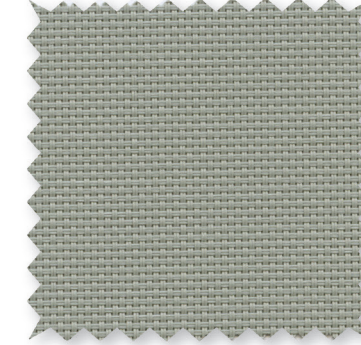
Q20 Beige



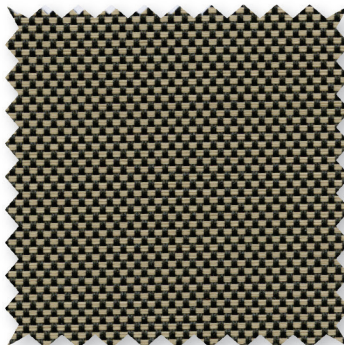
Q21 Beige/Pearl Gray



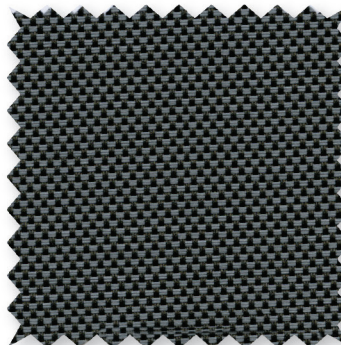
V20 Pearl Gray



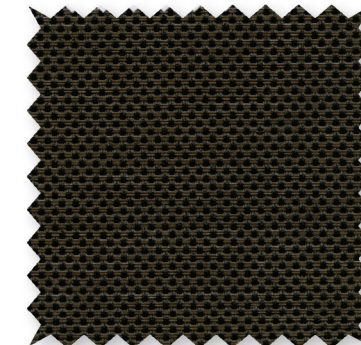
V32 Charcoal/Alpaca



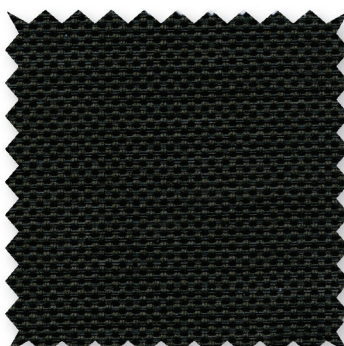
V22 Charcoal/Gray



V24 Charcoal/Chestnut



V21 Charcoal



**Benefits of Performance+ include:**

- Significant reduction of Solar Heat Gain in all colors
- Improved glare reduction in light colors
- Improved thermal performance
- Improved outward visibility in light colors

\*Colors may vary based on individual computer settings and should only be used for general reference.

### SOLAR HEAT CONTROL PROPERTIES

STYLE 2500+	Solar Trans	Solar Ref Out	Light Trans	Light Ref	% Open	UV Trans	Color Rend Index	High Performance Glass				6mm Single Bronze Glass			
								Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K	Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K
Glazing Performance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	69	39	45	1.1	49	58	67	5.7
P12 Oyster	3	74	3	73	1	2	98	2	15	18	0.8	1	19	22	2.5
P13 Oyster/Beige	3	74	3	73	1	2	95	2	16	18	0.8	1	20	23	2.5
P14 Oyster/Pearl Gray	3	74	3	73	1	2	98	2	16	19	0.8	1	20	22	2.4
Q20 Beige	3	74	3	73	1	2	95	2	16	19	0.8	1	20	23	2.5
Q21 Beige/Pearl Gray	3	73	2	72	1	2	96	2	16	18	0.8	1	20	22	2.5
V20 Pearl Gray	2	75	2	74	1	2	98	2	15	18	0.8	1	19	22	2.4
V21 Charcoal	2	72	2	71	1	2	99	1	17	19	0.8	1	21	24	2.5
V22 Charcoal/Gray	2	73	2	72	1	2	100	1	16	18	0.8	1	20	21	2.5
V24 Charcoal/Chestnut	2	73	2	72	1	2	100	1	16	19	0.8	1	20	23	2.5
V32 Charcoal/Alpaca	2	75	2	74	1	2	98	2	15	18	0.8	1	19	22	2.4

### SOLAR HEAT CONTROL PROPERTIES

STYLE 2410+	Solar Trans	Solar Ref Out	Light Trans	Light Ref	% Open	UV Trans	Color Rend Index	High Performance Glass				6mm Single Bronze Glass			
								Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K	Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K
Glazing Performance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	69	39	45	1.1	49	58	67	5.7
P12 Oyster	5	73	5	72	3	3	99	3	15	17	0.8	2	19	22	2.4
P13 Oyster/Beige	5	73	5	72	3	4	99	4	15	17	0.8	2	19	22	2.4
P14 Oyster/Pearl Gray	4	73	4	72	3	4	99	3	15	17	0.8	2	19	22	2.4
Q20 Beige	5	73	5	72	3	4	98	4	15	17	0.8	2	19	22	2.5
Q21 Beige/Pearl Gray	5	72	5	71	3	4	99	4	14	17	0.8	3	20	23	2.5
V20 Pearl Gray	4	75	4	74	3	4	99	3	14	16	0.8	2	18	21	2.4
V21 Charcoal	4	71	4	70	3	4	100	3	15	18	0.8	2	19	22	2.4
V22 Charcoal/Gray	4	72	4	71	3	4	100	3	15	17	0.8	2	19	22	2.4
V24 Charcoal/Chestnut	4	72	4	71	3	4	100	3	15	17	0.8	2	19	22	2.4
V32 Charcoal/Alpaca	4	75	4	74	3	4	99	3	15	17	0.8	2	19	22	2.5

### SOLAR HEAT CONTROL PROPERTIES

STYLE 2390+	Solar Trans	Solar Ref Out	Light Trans	Light Ref	% Open	UV Trans	Color Rend Index	High Performance Glass				6mm Single Bronze Glass			
								Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K	Light Trans	g-Value/SHGC	SC	U-Value in W/m <sup>2</sup> K
Glazing Performance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	69	39	45	1.1	49	58	67	5.7
P12 Oyster	8	71	8	70	5	7	99	6	15	18	0.8	4	20	23	2.5
P13 Oyster/Beige	8	72	8	71	5	6	99	6	15	17	0.8	4	19	22	2.4
P14 Oyster/Pearl Gray	7	71	7	70	5	6	100	5	15	18	0.8	3	20	23	2.5
Q20 Beige	8	72	8	71	5	7	98	6	15	18	0.8	4	20	23	2.5
Q21 Beige/Pearl Gray	7	71	7	70	5	6	99	5	15	18	0.8	4	20	23	2.6
V20 Pearl Gray	7	74	7	73	5	6	99	5	15	17	0.8	3	19	22	2.4
V21 Charcoal	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.5
V22 Charcoal/Gray	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.4
V24 Charcoal/Chestnut	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.5
V32 Charcoal/Alpaca	8	74	8	73	5	7	100	6	15	17	0.8	4	20	23	2.5

Measurements of Performance + properties by TNO The Netherlands in compliance with EN 410. Performance values are determined by specific glass type chosen for testing. For additional performance values, test references, technical definitions and handling instructions please contact the Sun Control Department at (800) 221-5497 or request online at phifer.com.

Solar Trans = Solar Transmittance  
 Solar Ref Out = Solar Reflection Out  
 Light Trans = Light Transmittance  
 Light Ref = Light Reflection  
 SC = Shading Coefficient

UV Trans = Ultra Violet Light Transmittance  
 Color Rend Index = Color Rendering Index  
 g-Value/SHGC = Solar Heat Gain Coefficient  
 U-Value in W/m<sup>2</sup>K = Watts per Meter Squared



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

# PERFORMANCE+ SPECIFICATIONS

SheerWeave Performance+ takes the performance of traditional SheerWeave Styles 2500, 2410 and 2390 fabrics “plus” the highly reflective properties of metallization and combines them to achieve the ultimate in sun control protection. By applying a thin metallized coating to the outward side of Performance+ fabrics, dark colors can achieve significant solar heat reduction comparable to what only light colors can achieve in other fabrics. The Performance+ metallized surface also improves glare reduction and outward visibility in light colors.

<b>FIRE CLASSIFICATION</b>	NFPA 701 TM#1 (small scale) NFPA 701 TM#2 (large scale) NFPA 101 (Class A Rating) California U.S. Title 19 (small scale)	BS 5867 Part 2 Type B Performance CAN/ULC-S 109 (large and small scale) CAN/CGSB2-4.162-M80 IBC Section 803.1.1 (Class A Rating)
<i>Fire classifications are subject to change. Please go to phifer.com for the most current information.</i>		
<b>BACTERIA AND FUNGAL RESISTANCE</b>	ASTM E 2180    ASTM G21    ASTM G22    AATCC30 Part 3    ASTM D 3273 GREENGUARD Mold and Bacteria Standard ASTM 6329 Includes Microban antimicrobial additives	
<b>ENVIRONMENTAL CERTIFICATION</b>	GREENGUARD    GREENGUARD Gold Certified to these standards for low chemical emissions into indoor air during product usage	
<b>SAFE USE</b>	ANSI/WCMA A 100.1-2007 for lead content RoHS/Directive 2002/95/EC	US Consumer Product Safety Commission Section 101 REACH (EC 1907/2006) compliant
<b>WARRANTY</b>	5-year interior	
<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	
<b>TRACKLESS</b>	TrackLess Technology minimizes the fiberglass yarns’ inherent tendencies to track when being rolled up in a shade. With TrackLess Technology these same fabrics now track less, roll up straighter and reduce shade fabrication time.	
<b>HANDLING AND CLEANING INSTRUCTIONS</b>	The metallized coating is fragile and must be handled with the utmost care to avoid damage. Attention must be given during all phases of fabrication and installation to protect the metallized coating. Do not scrub. Do not use tape, solvents or abrasive cleaners which could damage the fabric coating. Clean with a soft, damp cloth. For additional handling recommendations, please contact the Sun Control Dept.	

STYLE	2500+	2410+	2390+
<b>WIDTHS</b>	63” and 96” 160 cm and 243.8 cm	63” and 96” 160 cm and 243.8 cm	63” and 96” 160 cm and 243.8 cm
<b>ROLL LENGTH</b>	30 Linear Yards 27.4 Linear Meters	30 Linear Yards 27.4 Linear Meters	30 Linear Yards 27.4 Linear Meters
<b>COMPOSITION</b>	36% Fiberglass 62% Vinyl on Fiberglass 2% Aluminum Coating	34% Fiberglass 64% Vinyl on Fiberglass 2% Aluminum Coating	34% Fiberglass 64% Vinyl on Fiberglass 2% Aluminum Coating
<b>MESH WEIGHT</b>	16.39 oz/yd <sup>2</sup> 555.72 g/m <sup>2</sup>	14.1 oz/yd <sup>2</sup> 478 g/m <sup>2</sup>	11.8 oz/yd <sup>2</sup> 379 g/m <sup>2</sup>
<b>FABRIC THICKNESS</b>	0.024 in 0.61 mm	0.019 in 0.48 mm	0.018 in 0.46 mm
<b>OPENNESS FACTOR</b>	Approximately 1%	Approximately 3%	Approximately 5%
<b>UV BLOCKAGE</b>	Approximately 99%	Approximately 97%	Approximately 95%
<b>ACOUSTICAL VALUE</b>	NRC .50 / SAA .49	NRC .25 / SAA .23	NRC .15 / SAA .14

**PHIFER**  
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