

Sheerweave® Style 2000/2100

Specifications

Styles 2000 and 2100 are basketweaves designed expressly for those applications which require a more opaque and nondirectional fabric.

Fire Classification: California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109 (large and small scale), and ASTM E 84 (Class 1)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: GREENGUARD® Certified, GREENGUARD for Children and Schools Certified, and GREENGUARD Select Certified for Commercial, Healthcare and Education

Lead Free: RoHS / Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content, and REACH (EC 1907/2006) compliant



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



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



Style 2000

Standard Widths: 96"

Composition: 37% Fiberglass, 63% Vinyl on Fiberglass

Mesh Weight: 14.26 oz/yd² (484 g/m²)

Fabric Thickness: .019 in (0.48mm)

Openness Factor: Approximately 5%

UV Blockage: Approximately 95%

Solar Heat Control Properties of Phifer SheerWeave Style 2000
Fabrics Installed Internally, Zero-Degree Profile Angle

Color Name	Phifer Color Number	SWF Color Number	Solar Optical Properties				Shading Coefficient w/		
			Ts	Rs	As	Tv	Single		
							1/8CL	1/4CL	1/4HA
White	P02	P0220	20	67	13	16	0.33	0.34	0.32
White/Bone	P04	P0420	18	61	21	13	0.37	0.37	0.34
White/Platinum	P05	P0520	13	49	38	11	0.45	0.44	0.37
Bone	Q05	Q0520	18	55	27	12	0.42	0.41	0.36
Bone/Platinum	Q06	Q0620	12	43	45	10	0.49	0.47	0.39
Bronze	Q10	Q1020	5	7	88	6	0.72	0.68	0.5
Platinum	V04	V0420	10	35	55	9	0.54	0.52	0.42
Charcoal	V21	V2120	6	4	90	6	0.74	0.7	0.51
Charcoal/Gray	V22	V2220	7	9	84	7	0.71	0.67	0.50
Charcoal/Chestnut	V24	V2420	6	7	87	6	0.72	0.68	0.50

Style 2100

Standard Widths: 96"

Composition: 37% Fiberglass, 63% Vinyl on Fiberglass

Mesh Weight: 12.4 oz/yd² (420 g/m²)

Fabric Thickness: .020 in (0.51mm)

Openness Factor: Approximately 10%

UV Blockage: Approximately 90%

Solar Heat Control Properties of Phifer SheerWeave Style 2100
Fabrics Installed Internally, Zero-Degree Profile Angle

Color Name	Phifer Color Number	SWF Color Number	Solar Optical Properties				Shading Coefficient w/		
			Ts	Rs	As	Tv	Single		
							1/8CL	1/4CL	1/4HA
White	P02	P0221	22	60	18	16	0.39	0.39	0.35
White/Bone	P04	P0421	19	54	27	14	0.43	0.42	0.36
White/Platinum	P05	P0521	16	47	37	12	0.47	0.46	0.38
Bone	Q05	Q0521	19	44	37	15	0.5	0.48	0.4
Bone/Platinum	Q06	Q0621	16	38	46	14	0.53	0.51	0.41
Bronze	Q10	Q1021	8	5	87	9	0.74	0.7	0.51
Platinum	V04	V0421	10	31	59	9	0.59	0.54	0.43
Charcoal	V21	V2121	9	4	87	10	0.75	0.71	0.51
Charcoal/Gray	V22	V2221	11	8	81	12	0.72	0.69	0.5
Charcoal/Chestnut	V24	V2421	11	6	83	12	0.74	0.7	0.51

* 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
TV = Visual Transmittance 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, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.

Sheerweave® Style 2390/2410

Specifications

SheerWeave Performance + takes the performance of a traditional SheerWeave fabric plus the highly reflective properties of metallization and combines them to achieve the ultimate in sun control protection.

Fire Classification: California U.S. Title 19 (small scale), ASTM E 84 (Class 1), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale and CAN/ULC-S109 (large and small scale)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant

Handling and Cleaning Instructions: The metallized coating is fragile and must be handled with care to avoid damage. Do not scrub. Do not use tape, solvents or abrasive cleaners which could damage the fabric coating. Clean with a damp soft cloth using a mild detergent. Rinse with clean water and allow blind to dry in the down position.



PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
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Microban® antimicrobial protection inhibits the growth of stain-causing bacteria, mold and mildew on the shade.



Style 2390 +

Standard Width: 96" (243.8 cm)

Composition: 34% Fiberglass, 64% Vinyl on Fiberglass and 2% Aluminum Coating

Mesh Weight: 11.8 oz/yd² (379 g/m²)

Fabric Thickness: .018 in (0.46mm)

Openness Factor: Approximately 5%

Solar Heat Control Properties SheerWeave Style 2390 Performance +

	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 ² K	Light Trans	g-Value/SHGC	SC	U-value in W/m ² 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		
Phifer Color No.	SWF Color No.	Color															
P12	1229P	Oyster	8	71	8	70	5	7	99	6	15	18	0.8	4	20	23	2.5
P13	1329P	Oyster/Beige	8	72	8	71	5	6	99	6	15	17	0.8	4	19	22	2.4
P14	1429P	Oyster/Pearl Gray	7	71	7	70	5	6	100	5	15	18	0.8	3	20	23	2.5
Q20	2029P	Beige	8	72	8	71	5	7	98	6	15	18	0.8	4	20	23	2.5
Q21	2129P	Beige/Pearl Gray	7	71	7	70	5	6	99	5	15	18	0.8	4	20	23	2.6
V20	P2029	Pearl Gray	7	74	7	73	5	6	99	5	15	17	0.8	3	19	22	2.4
V21	3229P	Charcoal	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.5
V22	P2129	Charcoal/Gray	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.4
V24	2229P	Charcoal/Chestnut	8	71	8	70	5	7	100	6	16	18	0.8	4	20	23	2.5
V32	2429P	Charcoal/Alpaca	8	74	8	73	5	7	100	6	15	17	0.8	4	20	23	2.5

Style 2410 +

Standard Width: 96" (243.8 cm)

Composition: 34% Fiberglass, 64% Vinyl on Fiberglass and 2% Aluminum Coating

Mesh Weight: 14.1 oz/yd² (478 g/m²)

Fabric Thickness: .019 in (0.48mm)

Openness Factor: Approximately 3%

Solar Heat Control Properties SheerWeave Style 2410 Performance +

	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 ² K	Light Trans	g-Value/SHGC	SC	U-value in W/m ² 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		
Phifer Color No.	SWF Color No.	Color															
P12	1224P	Oyster	5	73	5	72	3	3	99	3	15	17	0.8	2	19	22	2.4
P13	1324P	Oyster/Beige	5	73	5	72	3	4	99	4	15	17	0.8	2	19	22	2.4
P14	1424P	Oyster/Pearl Gray	4	73	4	72	3	4	99	3	15	17	0.8	2	19	22	2.4
Q20	2024P	Beige	5	73	5	72	3	4	98	4	15	17	0.8	2	19	22	2.5
Q21	2124P	Beige/Pearl Gray	5	72	5	71	3	4	99	4	14	17	0.8	3	20	23	2.5
V20	P2024	Pearl Gray	4	75	4	74	3	4	99	3	14	16	0.8	2	18	21	2.4
V21	3224P	Charcoal	4	71	4	70	3	4	100	3	15	18	0.8	2	19	22	2.4
V22	P2124	Charcoal/Gray	4	72	4	71	3	4	100	3	15	17	0.8	2	19	22	2.4
V24	2224P	Charcoal/Chestnut	4	72	4	71	3	4	100	3	15	17	0.8	2	19	22	2.4
V32	2424P	Charcoal/Alpaca	4	75	4	74	3	4	99	3	15	17	0.8	2	19	22	2.5

Solar Trans = Solar Transmittance
Solar Ref Out = Solar Reflection Out
Light Trans = Light Transmittance
Light Ref = Light Reflection
UV Trans = Ultra Violet Light Transmittance
Color Rend Index = Color Rendering Index
g-Value/SHGC = Solar Heat Gain Coefficient
SC = Shading Coefficient
U-Value in W/m²K = Watts per Meter Squared

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 www.phifer.com.

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Sheerweave® Style 2390/2360/2410/2500

Specifications

Manufactured with ease of fabrication in mind, Styles 2390, 2360, 2410 and 2500 are full basketweaves designed expressly for those applications which require a more opaque and nondirectional fabric.

Fire Classification: California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), and CAN/ULC-S109-03 (large and small scale)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: GREENGUARD Certified, GREENGUARD for Children and Schools Certified, and GREENGUARD Select Certified for Commercial, Healthcare and Education

Lead Free: RoHS / Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content, and REACH (EC 1907/2006) compliant

Acoustical Performance: NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a. See performance values below.



PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
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Style 2390

Standard Widths: 98" and 126" (248.9cm and 320cm)
Composition: 35% Fiberglass, 65% Vinyl on Fiberglass
Mesh Weight: 11.8 oz/yd² (403 g/m²)
Fabric Thickness: .017 in (0.43mm)
Openness Factor: Approximately 5%
UV Blockage: Approximately 95%
Acoustical Value: NRC .10 / SAA .12

Solar Heat Control Properties of Phifer SheerWeave Style 2390 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA
P12	P1229	Oyster	21	61	18	14	0.38	0.38	0.34	0.36	0.35	0.27
P13	P1329	Oyster/Beige	17	54	29	12	0.42	0.41	0.36	0.39	0.38	0.29
P14	P1429	Oyster/Pearl Gray	14	45	41	10	0.48	0.46	0.39	0.45	0.43	0.32
Q20	Q2029	Beige	14	47	39	10	0.46	0.45	0.38	0.43	0.42	0.31
Q21	Q2129	Beige/Pearl Gray	11	38	51	9	0.52	0.50	0.41	0.49	0.46	0.33
V20	V2029	Pearl Gray	10	31	59	9	0.57	0.54	0.43	0.53	0.50	0.35
V21	V2129	Charcoal	4	4	92	5	0.73	0.69	0.51	0.69	0.63	0.43
V22	V2229	Charcoal/Gray	5	9	86	6	0.70	0.67	0.49	0.66	0.60	0.41
V24	V2429	Charcoal/Chestnut	6	6	88	6	0.73	0.69	0.50	0.68	0.62	0.42
V32	V3229	Charcoal/Alpaca	7	18	75	9	0.65	0.62	0.47	0.61	0.56	0.39

Style 2360

Standard Widths: 63" and 98" (160.0cm and 248.9cm)
Composition: 35% Fiberglass, 65% Vinyl on Fiberglass
Mesh Weight: 10.5 oz/yd² (356 g/m²)
Fabric Thickness: .017 in (0.43mm)
Openness Factor: Approximately 10%
UV Blockage: Approximately 90%

Solar Heat Control Properties of Phifer SheerWeave Style 2360 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA
P12	P1226	Oyster	27	57	16	21	0.43	0.42	0.36	0.39	0.38	0.29
P13	P1326	Oyster/Beige	24	51	25	19	0.46	0.45	0.38	0.43	0.41	0.31
P14	P1426	Oyster/Pearl Gray	20	45	35	16	0.49	0.48	0.40	0.46	0.44	0.32
Q20	Q2026	Beige	19	44	37	16	0.50	0.48	0.40	0.46	0.44	0.32
Q21	Q2126	Beige/Pearl Gray	17	39	44	15	0.53	0.51	0.41	0.49	0.46	0.34
V20	V2026	Pearl Gray	16	30	54	14	0.59	0.56	0.44	0.55	0.51	0.36
V21	V2126	Charcoal	10	4	86	11	0.75	0.71	0.52	0.70	0.64	0.43
V22	V2226	Charcoal/Gray	12	8	80	14	0.73	0.69	0.51	0.68	0.62	0.42
V24	V2426	Charcoal/Chestnut	11	5	84	12	0.74	0.70	0.51	0.69	0.63	0.43
V32	V3226	Charcoal/Alpaca	12	15	73	16	0.68	0.65	0.48	0.64	0.58	0.40

Style 2410

Standard Widths: 98" and 126" (248.9cm and 320cm)
Composition: 35% Fiberglass, 65% Vinyl on Fiberglass
Mesh Weight: 14.1 oz/yd² (471 g/m²)
Fabric Thickness: .019 in (0.48mm)
Openness Factor: Approximately 3%
UV Blockage: Approximately 97%
Acoustical Value: NRC .20 / SAA .21

Solar Heat Control Properties of Phifer SheerWeave Style 2410 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA
P12	P1224	Oyster	17	64	19	12	0.35	0.35	0.33	0.33	0.33	0.26
P13	P1324	Oyster/Beige	11	55	34	8	0.40	0.39	0.35	0.38	0.37	0.28
P14	P1424	Oyster/Pearl Gray	9	44	47	7	0.47	0.46	0.38	0.44	0.43	0.31
Q20	Q2024	Beige	10	48	42	7	0.45	0.44	0.37	0.42	0.41	0.30
Q21	Q2124	Beige/Pearl Gray	7	39	54	5	0.50	0.49	0.40	0.47	0.45	0.33
V20	V2024	Pearl Gray	6	31	63	5	0.56	0.53	0.42	0.52	0.49	0.35
V21	V2124	Charcoal	3	3	94	3	0.74	0.70	0.51	0.69	0.63	0.43
V22	V2224	Charcoal/Gray	3	9	88	3	0.70	0.66	0.49	0.65	0.60	0.41
V24	V2424	Charcoal/Chestnut	3	6	91	3	0.72	0.68	0.50	0.67	0.62	0.42
V32	V3224	Charcoal/Alpaca	4	20	76	5	0.63	0.60	0.46	0.59	0.55	0.38

Style 2500

Standard Widths: 98" and 126" (248.9cm and 320cm)
Composition: 37% Fiberglass, 63% Vinyl on Fiberglass
Mesh Weight: 16.25 oz/yd² (551 g/m²)
Fabric Thickness: .024 in (0.61mm)
Openness Factor: Approximately 1%
UV Blockage: Approximately 99%
Acoustical Value: NRC .55 / SAA .54

Solar Heat Control Properties of Phifer SheerWeave Style 2500 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA
P12	P1225	Oyster	15	68	17	13	0.31	0.32	0.31	0.30	0.30	0.25
P13	P1325	Oyster/Beige	10	60	30	9	0.36	0.36	0.33	0.34	0.34	0.27
P14	P1425	Oyster/Pearl Gray	7	50	43	6	0.43	0.42	0.36	0.40	0.39	0.29
Q20	Q2025	Beige	7	50	43	6	0.43	0.42	0.36	0.40	0.39	0.29
Q21	Q2125	Beige/Pearl Gray	5	42	53	5	0.48	0.46	0.39	0.45	0.43	0.32
V20	V2025	Pearl Gray	3	32	65	3	0.54	0.52	0.42	0.52	0.48	0.34
V21	V2125	Charcoal	1	4	95	1	0.73	0.69	0.50	0.69	0.62	0.42
V22	V2225	Charcoal/Gray	2	8	90	3	0.70	0.67	0.49	0.67	0.60	0.41
V24	V2425	Charcoal/Chestnut	1	6	93	1	0.71	0.68	0.50	0.68	0.61	0.42
V32	V3225	Charcoal/Alpaca	1	16	83	2	0.65	0.62	0.47	0.61	0.56	0.39

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

TS = Solar Transmittance 1/4 CL = 1/4" Clear Glass
RS = Solar Reflectance 1/4HA = 1/4" Heat Absorbing Glass
AS = Solar Absorbance 1/2 CL = 1/2" Clear Glass
TV = Visual Transmittance 1 CL = 1" Clear Glass
1/8 CL = 1/8" Clear Glass 1 HA = 1" 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, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.

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Sheerweave® Style 2701/2703/2705/2710

Specifications

Styles 2701, 2703, 2705, and 2710 are woven from a unique twill pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction, and improved visibility.

Fire Classification: California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101 and ANSI/WCMA A100.1-2007 for lead content, REACH (EC 1907/2006) compliant

Acoustical Performance: NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a. See performance values below.



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



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



Style 2701

Standard Widths: 63" and 98" (160cm and 248.9cm)
Composition: 36% Fiberglass, 64% Vinyl on Fiberglass
Mesh Weight: 14.6 oz/yd² (495 g/m²)
Fabric Thickness: .027 in (0.66mm)
Openness Factor: Approximately 1%
UV Blockage: Approximately 99%
Acoustical Value: NRC .15 / SAA .15

Solar Heat Control Properties of Phifer SheerWeave Style 2701 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/						
			TS	RS	AS	TV	-----Single-----			-----Insulating-----			
			1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA					
P12	P1227	Oyster	21	64	15	17	0.36	0.36	0.33	0.34	0.34	0.26	
P13	P1327	Oyster/Beige	15	57	28	12	0.38	0.38	0.34	0.36	0.35	0.27	
P14	P1427	Oyster/Pearl Gray	8	54	38	4	0.40	0.39	0.34	0.38	0.37	0.28	
P28	P2827	Oyster/Charcoal	5	39	56	6	0.49	0.47	0.39	0.46	0.44	0.32	
P91	P9127	Oyster/Pewter	6	43	51	6	0.46	0.45	0.37	0.45	0.42	0.30	
P92	P9227	Oyster/Chestnut	6	41	53	6	0.47	0.46	0.38	0.46	0.44	0.32	

Style 2703

Standard Widths: 63" and 98" (160cm and 248.9cm)
Composition: 36% Fiberglass, 64% Vinyl on Fiberglass
Mesh Weight: 14.0 oz/yd² (475 g/m²)
Fabric Thickness: .028 in. (0.71mm)
Openness Factor: Approximately 3%
UV Blockage: Approximately 97%
Acoustical Value: NRC .10 / SAA .09

Solar Heat Control Properties of Phifer SheerWeave Style 2703 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/						
			TS	RS	AS	TV	-----Single-----			-----Insulating-----			
			1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA					
P12	P1273	Oyster	22	62	16	19	0.38	0.37	0.34	0.35	0.35	0.27	
P13	P2273	Oyster/Beige	15	58	27	13	0.39	0.38	0.34	0.37	0.36	0.28	
P14	P1473	Oyster/Pearl Gray	9	53	38	9	0.41	0.40	0.35	0.39	0.38	0.29	
P28	P3273	Oyster/Charcoal	7	40	53	8	0.50	0.48	0.39	0.47	0.44	0.32	
P91	P4273	Oyster/Pewter	8	44	48	9	0.47	0.46	0.38	0.45	0.42	0.31	
P92	P5273	Oyster/Chestnut	7	42	51	8	0.48	0.47	0.39	0.46	0.43	0.32	

Style 2705

Standard Widths: 63" and 98" (160cm and 248.9cm)
Composition: 34% Fiberglass, 66% Vinyl on Fiberglass
Mesh Weight: 11.8 oz/yd² (379 g/m²)
Fabric Thickness: .025 in (0.64mm)
Openness Factor: Approximately 5%
UV Blockage: Approximately 95%
Acoustical Value: NRC .05/SAA .06

Solar Heat Control Properties of Phifer SheerWeave Style 2705 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/						
			TS	RS	AS	TV	-----Single-----			-----Insulating-----			
			1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA					
P12	P1275	Oyster	22	62	16	20	0.38	0.37	0.34	0.35	0.35	0.27	
P13	P2275	Oyster/Beige	23	54	23	21	0.44	0.43	0.37	0.41	0.39	0.30	
P14	P1475	Oyster/Pearl Gray	19	51	30	21	0.45	0.44	0.37	0.42	0.40	0.30	
P28	P3275	Oyster/Charcoal	12	40	48	14	0.51	0.49	0.40	0.48	0.45	0.33	
P91	P4275	Oyster/Pewter	11	46	43	12	0.46	0.45	0.38	0.44	0.42	0.31	
P92	P5275	Oyster/Chestnut	12	43	45	13	0.49	0.47	0.39	0.46	0.44	0.32	

Style 2710

Standard Widths: 63" and 98" (160cm and 248.9cm)
Composition: 34% Fiberglass, 66% Vinyl on Fiberglass
Mesh Weight: 10.4 oz/yd² (353 g/m²)
Fabric Thickness: .025 in (0.64mm)
Openness Factor: Approximately 10%
UV Blockage: Approximately 90%

Solar Heat Control Properties of Phifer SheerWeave Style 2710 Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color No.	SWF Color No.	Color	*Solar Optical Properties				Shading Coefficient w/						
			TS	RS	AS	TV	-----Single-----			-----Insulating-----			
			1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA					
P12	P1710	Oyster	34	54	12	32	0.46	0.45	0.38	0.43	0.41	0.31	
P13	P2710	Oyster/Beige	29	51	20	28	0.47	0.46	0.39	0.44	0.42	0.31	
P28	P3710	Oyster/Charcoal	21	37	42	24	0.55	0.53	0.42	0.52	0.48	0.35	
P91	P4710	Oyster/Pewter	24	43	33	25	0.52	0.50	0.41	0.48	0.45	0.33	
P92	P5710	Oyster/Chestnut	25	41	34	26	0.53	0.52	0.42	0.50	0.47	0.34	

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

TS = Solar Transmittance 1/8CL = 1/8" Clear Glass 1/2CL = 1/2" Clear Glass
RS = Solar Reflectance 1/4CL = 1/4" Clear Glass 1CL = 1" Clear Glass
AS = Solar Absorptance 1/4HA = 1/4" Heat Absorbing Glass 1HA = 1" 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 Phifer Incorporated.

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Sheerweave® Style 4000/4100/4400

Specifications

DOW ECOLIBRIUM™ Bio-Based Plasticizers offer a renewable alternative that is phthalate-free, offering a more sustainable option while having the same great performance and feel of current materials.

Fire Classification: California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale, ASTM E 84 (Class 1) and CAN/ULC-S109-03 (large and small scale)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: GREENGUARD Gold Certified

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



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



Style 4000

Made from vinyl-coated polyester yarns, Style 4000 is designed with today's demanding commercial market in mind.

Standard Width: 126" (320cm)

Composition: 25% Polyester, 75% Vinyl on Polyester (Over 50% of compound components are derived from crop-based feed stocks and minerals. Over 2/3 of total compound is derived from non fossil fuel based materials.)

Mesh Weight: 19.2 oz/yd2 (651 g/m2)

Fabric Thickness: .036 in (0.91mm)

Openness Factor: Approximately 5%

UV Blockage: Approximately 95%

Acoustical Value: NRC 0.10/SA 0.11

Style 4100

Similar in design to Style 4000, Style 4100 has a slightly more open weave to provide increased outward visibility.

Standard Width: 98" (248.9cm)

Composition: 25% Polyester, 75% Vinyl on Polyester (Over 50% of compound components are derived from crop-based feed stocks and minerals. Over 2/3 of total compound is derived from non fossil fuel based materials.)

Mesh Weight: 17.5 oz/yd2 (593 g/m2)

Fabric Thickness: .035 in (0.89mm)

Openness Factor: Approximately 10%

UV Blockage: Approximately 90%

Style 4400

Designed with a 3% openness factor, Style 4400 offers maximum UV blockage while maintaining good outward visibility.

Standard Width: 126" (320cm)

Standard Roll Length: 30 Linear Yards (27.4m)

Composition: 25% Polyester, 75% Vinyl on Polyester (Over 50% of compound components are derived from crop-based feed stocks and minerals. Over 2/3 of total compound is derived from non fossil fuel based materials.)

Mesh Weight: 20.7 oz/yd2 (702 g/m2)

Fabric Thickness: .037 in (0.94mm)

Openness Factor: Approximately 3%

UV Blockage: Approximately 97%

Acoustical Value: NRC 0.20/SA 0.19

Solar Heat Control Properties of Phifer SheerWeave Style 4000 With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color #	SWF Color #	Color Name	Solar Optical Properties*				Shading Coefficient w/			
			TS	RS	AS	TV	Single		Insulating	
							1/4CL	1/4HA	1CL	1HA
U58	P0640	Eco/Chalk	16	68	16	12	0.32	0.31	0.31	0.25
U59	P0740	Eco/Alabaster	15	57	28	13	0.39	0.35	0.36	0.28
U60	Q1240	Eco/Pebblestone	14	49	37	12	0.44	0.37	0.41	0.3
U61	Q1540	Eco/Greystone	10	34	56	9	0.52	0.42	0.32	0.24
U62	P1040	Eco/Granite	11	41	48	10	0.48	0.4	0.29	0.23
U63	V0740	Eco/Pewter	8	27	65	9	0.56	0.44	0.51	0.36
U64	V1540	Eco/Ash	7	11	82	8	0.66	0.49	0.41	0.3
U65	V1040	Eco/Ebony	6	5	89	8	0.69	0.51	0.63	0.43
U66	Q1640	Eco/Tobacco	7	5	88	8	0.7	0.51	0.44	0.31

Solar Heat Control Properties of Phifer SheerWeave Style 4100 With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color #	SWF Color #	Color Name	Solar Optical Properties*				Shading Coefficient w/			
			TS	RS	AS	TV	Single		Insulating	
							1/4CL	1/4HA	1CL	1HA
U58	P0641	Eco/Chalk	18	66	16	15	0.34	0.32	0.32	0.25
U59	P0741	Eco/Alabaster	19	56	25	16	0.41	0.36	0.38	0.29
U60	Q1241	Eco/Pebblestone	16	48	36	15	0.45	0.38	0.41	0.31
U61	Q1541	Eco/Greystone	14	35	51	14	0.53	0.42	0.48	0.34
U62	P1041	Eco/Granite	15	42	43	14	0.49	0.4	0.29	0.23
U63	V0741	Eco/Pewter	12	26	62	14	0.58	0.45	0.53	0.37
U64	V1541	Eco/Ash	10	10	80	11	0.67	0.5	0.42	0.31
U65	V1041	Eco/Ebony	10	4	86	11	0.71	0.52	0.64	0.43
U66	Q1641	Eco/Tobacco	10	5	85	11	0.7	0.51	0.45	0.32

Solar Heat Control Properties of Phifer SheerWeave Style 4100 With DOW ECOLIBRIUM™ Fabrics Installed Internally, Zero-Degree Profile Angle

Phifer Color #	SWF Color #	Color Name	Solar Optical Properties*				Shading Coefficient w/			
			TS	RS	AS	TV	Single		Insulating	
							1/4CL	1/4HA	1CL	1HA
U58	P0644	Eco/Chalk	12	70	18	7	0.3	0.3	0.16	0.15
U59	P0744	Eco/Alabaster	10	62	28	6	0.35	0.32	0.19	0.17
U60	Q1244	Eco/Pebblestone	9	51	40	6	0.42	0.36	0.38	0.28
U61	Q1544	Eco/Greystone	6	39	55	5	0.48	0.4	0.44	0.32
U62	P1044	Eco/Granite	6	48	46	5	0.43	0.37	0.25	0.2
U63	V0744	Eco/Pewter	3	26	71	2	0.56	0.44	0.34	0.25
U64	V1544	Eco/Ash	3	10	87	4	0.66	0.49	0.6	0.41
U65	V1044	Eco/Ebony	3	3	94	3	0.7	0.51	0.63	0.43
U66	Q1644	Eco/Tobacco	3	5	92	3	0.69	0.5	0.62	0.42

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

TS = Solar Transmittance 1/4CL = 1/4" Clear Glass
RS = Solar Reflectance 1CL = 1" Insulating Clear Glass
AS = Solar Absorption 1/4HA = 1/4" Heat Absorbing Glass
TV = Visual Transmittance 1HA = 1" Insulating 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, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.

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Sheerweave® Style 4800

Specifications

Made from vinyl-coated polyester yarns, Style 4800 is designed with privacy in mind and offers maximum UV blockage.

Fire Classification: California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale, ASTM E 84 (Class 1) and CAN/ULC-S109-03 (large and small scale)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant

Acoustical Performance: NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a. See performance values below.



Style 4800

Solar Heat Control Properties of Phifer SheerWeave Style 4800 Fabrics Installed Internally, Zero-Degree Profile Angle

Standard Widths: 63" and 96"
(160.0cm and 243.8cm)

Composition: 24% Polyester,
76% Vinyl on Polyester

Mesh Weight: 18.5 oz/yd² (627 g/m²)

Fabric Thickness: .036 in (0.91mm)

Openness Factor: Approximately 1%

UV Blockage: Approximately 99%

Acoustical Value: NRC .30/SAA .31

Phifer Color	SWF Color	Color	*Solar Optical Properties				Shading Coefficient w/ -----Single-----						---Insulating---	
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA		
P06	P0648	Chalk	8	77	15	6	0.21	0.22	0.26	0.22	0.24	0.21		
P07	P0748	Alabaster	10	62	28	4	0.35	0.35	0.32	0.33	0.33	0.26		
P75	P7548	Pearl	4	67	29	3	0.29	0.30	0.30	0.28	0.29	0.24		
Q97	Q9748	Sand	1	51	48	1	0.40	0.40	0.35	0.39	0.38	0.29		
Q98	Q9848	Mocha	0	12	88	1	0.67	0.64	0.48	0.63	0.58	0.40		
Q99	Q9948	Taupe	1	41	58	0	0.47	0.46	0.38	0.45	0.43	0.32		
V10	V1048	Ebony	0	3	97	0	0.73	0.69	0.51	0.68	0.63	0.43		
V16	V1648	Grey	4	51	45	2	0.41	0.40	0.35	0.39	0.38	0.29		
V59	V5948	Fleece	0	24	76	1	0.59	0.56	0.44	0.56	0.52	0.37		
V60	V6048	Clay	0	32	68	0	0.53	0.51	0.41	0.51	0.48	0.34		
V61	V6148	Mink	0	7	93	0	0.70	0.67	0.49	0.66	0.61	0.42		
V62	V6248	Flint	0	8	92	0	0.70	0.66	0.49	0.65	0.60	0.41		

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

TS = Solar Transmittance 1/8CL = 1/8" Clear Glass
 RS = Solar Reflectance 1/4CL = 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 Phifer Incorporated.

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SHEERWEAVE® STYLE 7100 BLACKOUT FABRIC

Specifications

Style 7100 is a laminated blackout fabric with Style 2000 as the face fabric. Style 7100 is ideal to use when a totally opaque fabric is required.

Fire Classification: California U.S. Title 19 (small scale); NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class 1), NFPA 701 TM#2 Large Scale and BS 5867 2008 Part 2 Type B Performance

Bacteria and Fungal Resistance: Style 2000 face fabric includes Microban antibacterial additives and meets the standards of ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329

Environmental Certification: GREENGUARD Certified, GREENGUARD for Children and Schools Certified, and GREENGUARD Select Certified for Commercial, Healthcare and Education

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant roll up straighter and reduce shade fabrication time.



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Style 7100

Standard Widths: 72" and 96" (182.9cm and 243.8cm)

Composition: Vinyl-coated fiberglass fabric laminated with a two-ply 100% PVC blackout film

Mesh Weight: 19.8 oz/yd² (671 g/m²)

Fabric Thickness: .023 in (0.58mm)

Openness Factor: Opaque

Cleaning Instructions: Periodically clean with a mixture of mild detergent and water using a soft cloth or sponge. Rinse thoroughly with clean water and air dry.

Due to the construction of Style 7100, some cupping may occur. Railroading this fabric is not recommended.

**Solar Heat Control Properties of Phifer SheerWeave Style 7100
Fabrics Installed Internally, Zero-Degree Profile Angle**

Color Name	Phifer Color No.	SWF Color No.	Solar Optical Properties*				Shading Coefficient w/				
							Single			Insulating	
			TS	RS	AS	TV	1/8CL	1/4CL	1/4HA	1CL	1HA
White	P02	P0271	0	71	29	0	0.25	0.26	0.28	0.26	0.22
White/Bone	P04	P0471	0	71	29	0	0.25	0.26	0.28	0.26	0.22
White/Platinum	P05	P0571	0	71	29	0	0.25	0.26	0.28	0.26	0.22
Bone	Q05	Q0571	0	71	29	0	0.25	0.26	0.28	0.26	0.22
Bone/Platinum	Q06	Q0671	0	71	29	0	0.25	0.26	0.28	0.26	0.22
Charcoal	V21	V2741	0	71	29	0	0.25	0.26	0.28	0.26	0.22

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

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

1/8 CL = 1/8" Clear Glass
1/4 CL = 1/4" Clear Glass
1/4HA = 1/4" Heat Absorbing Glass
1/2 CL = 1/2" Insulating Clear Glass
1 CL = 1" Insulating Clear Glass
1HA = 1" Insulating 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, current test results, performance specifications and larger samples, contact our Sun Control Marketing Department.

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Sheerweave® Infinity2

Specifications

SheerWeave Infinity2™ sustainable window treatment fabric is an eco-friendly full basketweave. Emulating the look and engineering of standard SheerWeave® fabrics, the core yarn and coating of Infinity™ fabrics are PVC-free, lead-free and 100% recyclable.

Fire Classification: ASTM E-84 (Class I), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating) and CAN/ULC-S 109-03 Large

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

Environmental Certification: Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant



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3% Openness

- Standard Widths:** 63" and 98" (160.0cm and 248.9cm)
- Composition:** 100% TPO (Thermoplastic Olefin), 20% TPO fiber yarn/80% TPO coating on TPO yarn
- Mesh Weight:** 13.69 oz/yd2 (464.17 g/m2)
- Fabric Thickness:** .031 in (.787mm)
- Openness Factor:** Approximately 3%
- UV Blockage:** Approximately 97%

Solar Heat Control Properties of Phifer SheerWeave Infinity2 3% Openness Fabrics Installed Internally, Zero-Degree Profile Angle

SWF Color	Style	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	-----Single-----			-----Insulating-----		
No.	No.					1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA	
2PG13	PG1	Cotton	20	70	10	19	0.31	0.32	0.31	0.29	0.30	0.24
2PG23	PG2	Almond	17	61	22	15	0.37	0.37	0.34	0.35	0.35	0.27
2PG33	PG3	Wheat	12	52	36	9	0.42	0.42	0.36	0.40	0.39	0.29
2PG43	PG4	Stone	12	52	36	11	0.42	0.42	0.36	0.40	0.39	0.29
2QG23	QG1	Barley	16	53	31	14	0.43	0.42	0.36	0.40	0.39	0.29
2VG13	VG1	Nickel	9	36	55	8	0.53	0.51	0.41	0.50	0.47	0.34
2VG23	VG2	Midnight	3	6	91	5	0.72	0.68	0.50	0.68	0.62	0.42
2VG33	VG3	Bark	3	7	90	4	0.71	0.67	0.50	0.67	0.61	0.42
2VG43	VG4	Slate	3	10	87	5	0.69	0.66	0.49	0.66	0.60	0.41

5% Openness

- Standard Widths:** 63" and 98" (160.0cm and 248.9cm)
- Composition:** 100% TPO (Thermoplastic Olefin), 20% TPO fiber yarn/80% TPO coating on TPO yarn
- Mesh Weight:** 12.82 oz/yd2 (434.67 g/m2)
- Fabric Thickness:** .030 in (.762mm)
- Openness Factor:** Approximately 5%
- UV Blockage:** Approximately 95%

Solar Heat Control Properties of Phifer SheerWeave Infinity2 5% Openness Fabrics Installed Internally, Zero-Degree Profile Angle

SWF Color	Style	Color	*Solar Optical Properties				Shading Coefficient w/					
			TS	RS	AS	TV	-----Single-----			-----Insulating-----		
No.	No.					1/8CL	1/4CL	1/4HA	1/2CL	1CL	1HA	
2PG15	PG1	Cotton	23	68	9	22	0.34	0.34	0.32	0.31	0.32	0.25
2PG25	PG2	Almond	20	60	20	18	0.39	0.38	0.34	0.36	0.36	0.27
2PG35	PG3	Wheat	14	51	35	12	0.44	0.43	0.37	0.41	0.40	0.30
2PG45	PG4	Stone	15	52	33	14	0.43	0.42	0.37	0.41	0.39	0.29
2QG25	QG1	Barley	19	51	30	17	0.45	0.44	0.37	0.42	0.40	0.30
2VG15	VG1	Nickel	10	34	56	11	0.54	0.52	0.42	0.52	0.48	0.34
2VG25	VG2	Midnight	5	6	89	8	0.72	0.69	0.50	0.68	0.62	0.42
2VG35	VG3	Bark	4	7	89	6	0.71	0.68	0.50	0.68	0.61	0.42
2VG45	VG4	Slate	5	9	86	7	0.70	0.67	0.49	0.67	0.60	0.41

* 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 Phifer Incorporated.

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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), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 Large Scale, ASTM E 84 (Class 1) and CAN/ULC-S109-03 (large and small scale)

Bacteria and Fungal Resistance: ASTM E 2180, ASTM G22, AATCC30 Part 3, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

Environmental Certification: Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage

Lead Free: RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A100.1-2007 for lead content and REACH (EC 1907/2006) compliant



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



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



Style 4550

Standard Widths: 63" and 98" (160.0cm and 248.9cm)

Composition: 17% Polyester, 83% Vinyl on Polyester

Mesh Weight: 12.5 oz/yd² (423.83 g/m²)

Fabric Thickness: .025 in (0.64mm)

Openness Factor: Approximately 5%

UV Blockage: Approximately 95%

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

SWF Color	Style	Color	*Solar Optical Properties				Shading Coefficient w/				
			TS	RS	AS	TV	-----Single-----			---Insulating---	
No.	No.					1/8CL	1/4CL	1/4HA	1CL	1HA	
P1045	P10	Granite	7	56	37	8	0.38	0.38	0.34	0.36	0.28
P6545	P65	Linen	9	59	32	10	0.36	0.36	0.33	0.34	0.27
V4545	V45	Coal	8	48	44	9	0.44	0.43	0.37	0.40	0.30
V4745	V47	Chestnut	9	48	43	11	0.44	0.43	0.37	0.40	0.30

Style 4650

Standard Widths: 63" and 98" (160.0cm and 248.9cm)

Composition: 17% Polyester, 83% Vinyl on Polyester

Mesh Weight: 13.3 oz/yd² (450.96 g/m²)

Fabric Thickness: .026 in (0.66mm)

Openness Factor: Approximately 3%

UV Blockage: Approximately 97%

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

SWF Color	Style	Color	*Solar Optical Properties				Shading Coefficient w/				
			TS	RS	AS	TV	-----Single-----			---Insulating---	
No.	No.					1/8CL	1/4CL	1/4HA	1CL	1HA	
P1046	P10	Granite	6	55	39	8	0.39	0.38	0.34	0.36	0.28
P6546	P65	Linen	7	58	35	8	0.37	0.37	0.33	0.35	0.27
P4546	V45	Coal	5	47	48	7	0.44	0.43	0.37	0.40	0.30
P4746	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 1/8CL = 1/8" Clear Glass
 RS = Solar Reflectance 1/4CL = 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 Phifer Incorporated.

SheerWeave is a registered trademark of PHIFER INCORPORATED.
 GREENGUARD is a registered trademark of GREENGUARD Environmental Institute.
 MICROBAN is a registered trademark of Microban Products Company.

Specifications

Product Type: Interior / Transparent
Composition: 36% Fiberglass / 64% Vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)

Weight:
 1% = 13.3 oz/yd² (452 g/m²)
 3% = 11.6 oz/yd² (393 g/m²)
 5% = 10.7 oz/yd² (363 g/m²)
 10% = 10.3 oz/yd² (350 g/m²)
Thickness:
 1%, 10% = 0.020" (0.52 mm)
 3% = 0.017" (0.43 mm)
 5% = 0.016" (0.41 mm)

Fenestration Properties*: Openness Factor: 1%, 3%, 5% and 10% UV Blockage: Approximately 90%-99%

Color #	Color Name									SHGC/G Value			
		Ts		Rs		As		Tv		CL-S		DG	
		1%	3%	1%	3%	1%	3%	1%	3%	1%	3%	1%	3%
02.02	White/White	14	16	75	73	11	11	11	13	0.29	0.31	0.33	0.33
02.07	White/Pearl	9	10	58	52	33	38	6	8	0.39	0.42	0.38	0.40
02.20	White/Linen	14	16	66	63	20	21	10	12	0.35	0.37	0.36	0.37
20.20	Linen/Linen	15	18	53	52	32	30	11	13	0.42	0.43	0.40	0.40
30.71	Charcoal/Apricot	1	7	13	18	86	75	1	7	0.64	0.62	0.53	0.51
30.30	Charcoal/Charcoal	1	5	4	4	95	91	1	4	0.69	0.70	0.55	0.56
30.61	Charcoal/Cocoa	2	4	5	7	93	89	2	3	0.69	0.68	0.55	0.55
61.61	Cocoa/Cocoa	2	5	8	9	90	86	2	5	0.67	0.67	0.54	0.54
61.71	Cocoa/Apricot	3	7	17	19	80	74	2	6	0.62	0.61	0.51	0.51
30.01	Charcoal/Grey	3	5	9	10	88	85	2	5	0.66	0.66	0.54	0.54
		5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
02.02	White/White	20	25	71	66	9	9	17	22	0.32	0.36	0.34	0.36
02.07	White/Pearl	12	20	51	50	37	30	9	18	0.43	0.45	0.40	0.41
02.20	White/Linen	20	25	62	58	18	17	16	22	0.38	0.41	0.37	0.38
20.20	Linen/Linen	22	27	50	47	28	26	17	23	0.45	0.47	0.41	0.42
30.71	Charcoal/Apricot	7	14	15	14	78	72	6	13	0.63	0.65	0.52	0.52
30.30	Charcoal/Charcoal	4	12	6	3	90	85	4	12	0.68	0.71	0.55	0.56
30.61	Charcoal/Cocoa	7	11	6	5	87	84	7	11	0.69	0.70	0.55	0.55
61.61	Cocoa/Cocoa	7	11	9	7	84	82	6	11	0.67	0.69	0.54	0.55
61.71	Cocoa/Apricot	10	14	17	16	73	70	8	13	0.63	0.64	0.51	0.52
30.01	Charcoal/Grey	7	12	10	8	83	80	7	11	0.66	0.68	0.54	0.54

*The fenestration property tests were conducted in accordance with EN 14501:2005, ASTM 891, ASTM E903-96: Shading Coefficient (SC), Solar Heat Gain Coefficient (SHGC), Solar Transmittance (Ts), Solar Reflectance (Rs), Solar Absorptance (As), Visible Light Transmittance (Tv); ¼ (6mm) Clear Glass (CL); 4mm Clear Glass, Single Glazing (CL-S); Double Glazing 4mm/16mm/4mm with low E-coating in position 3, space filled with Argon (DG). To calculate shading coefficient: SHGC CL S / 0.87. Acoustical performance tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. The above data is indicative. For up-to-date test results, performance specifications, and larger samples, contact the Mermet Marketing Department at www.mermetusa.com.

Fabrication Methods*:
 Cutting: cold, ultrasonic or crush
 Welding: radio frequency, high frequency, impulse, hot air, hot wedge

Fire Classifications:
 NFPA 701-10 TM#1, California U.S. Title 19
 CAN/ULC-S109-03 Small Flame Test

Environmental Benefits:
 RoHS - Lead Free

Bacterial and Fungal Resistance:
 ASTM E2180 and ASTM G21

Acoustical Performance:
 1% = NRC: 0.40, SAA: 0.40
 3% = NRC: 0.15, SAA: 0.17
 5% = NRC: 0.10, SAA: 0.12

*We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrications specifications.

Care and Cleaning:

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

Specifications

Product Type:	Interior / Transparent	Width:	98" (250cm)
Composition:	36% Fiberglass / 64% Vinyl	Weight:	11.6 oz / yd ² (395 g / m ²)
Standard Packaging:	Rolls of 30 ly (27 lm)	Thickness:	0.025" (0.64 mm)

Fenestration Properties*:

Openness Factor: 3%

UV Blockage: 97%

SHGC/G Value Color

#	Color Name	Side	Ts	Rs	As	Tv	SHGC/G Value Color	
							CL-S	DG
M156	Charcoal/Fall-Hazelnut	Dark	4	7	89	4	0.68	0.55
		Light	4	17	79	4	0.62	0.51
M161	Cocoa/Grey-Straw	Dark	4	10	86	3	0.66	0.54
		Light	4	18	78	4	0.61	0.51
M151	White/Sable-Straw	Dark	16	56	28	13	0.41	0.39
		Light	15	64	21	12	0.36	0.36
M153	Sable/Straw-Cocoa	Dark	10	31	59	7	0.54	0.47
		Light	9	34	57	6	0.53	0.46
M155	Sable/Cocoa-Hazelnut	Dark	11	30	59	8	0.55	0.47
		Light	10	33	57	7	0.53	0.46
M158	Cocoa/Apricot-Mustard	Dark	5	11	84	4	0.65	0.53
		Light	5	22	73	4	0.59	0.50
M154	Cocoa/Sable-Linen	Dark	4	11	85	4	0.65	0.53
		Light	5	20	75	4	0.60	0.50
02.10	White/Sable	Dark	15	52	33	12	0.43	0.40
		Light	14	62	24	11	0.37	0.37
M157	Cocoa/Phoenix-Mustard	Dark	5	11	84	4	0.65	0.53
		Light	5	20	75	4	0.60	0.50
M159	Cocoa/Phoenix-Fall	Dark	5	10	85	4	0.66	0.54
		Light	5	16	79	4	0.63	0.52
M162	Cocoa/Sable-Cocoa	Dark	4	8	88	4	0.67	0.54
		Light	4	13	83	4	0.64	0.53
M160	Charcoal/Sable-Cocoa	Dark	4	6	90	4	0.68	0.55
		Light	4	11	85	4	0.65	0.53

*The fenestration property tests were conducted in accordance with EN 14501:2005, ASTM 891, ASTM E903-96: Shading Coefficient (SC), Solar Heat Gain Coefficient (SHGC), Solar Transmittance (Ts), Solar Reflectance (Rs), Solar Absorbance (As), Visible Light Transmittance (Tv); ¼ (6mm) Clear Glass (CL); 4mm Clear Glass, Single Glazing (CL-S); Double Glazing 4mm/16mm/4mm with low E-coating in position 3, space filled with Argon (DG); SC calculation: SHGC CL-S / 0.87. Acoustical performance tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. The above data is indicative. For up-to-date test results, performance specifications, and larger samples, contact the Mermet Marketing Department at www.mermetusa.com.

Fabrication Methods*:

Cutting: cold, ultrasonic or crush
Welding: radio frequency, high frequency, impulse, hot air, hot wedge

Fire Classifications:

NFPA 701-10 TM#1, California U.S. Title 19
CAN/ULC-S109-03 Small Flame Test

Bacterial and Fungal Resistance:

ASTM E2180 and ASTM G21

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.15, SAA: 0.15

*We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrications specifications.

Care and Cleaning:

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

Specifications

Product Type:	Interior / Blackout	Width:	94.5" (240cm)
Composition:	42% Fiberglass / 51% Acrylic 7% Cotton Flocked Backing, PVC Free	Weight:	14.7 oz / yd ² (500 g / m ²)
Standard Packaging:	Rolls of 36 ly (33 lm)	Thickness:	0.021" (0.55 mm)

Fenestration Properties*: Openness Factor: 0% UV Blockage: 100%

Color							SC	SHGC/G Value	
SWF #	Mermet #	Ts	Rs	As	Tv	¼" CL	CL-S	DG	
618	06.18 Mississippi	0	69	31	0	0.36	0.31	0.34	
609	06.09 Loutre	0	71	29	0	0.34	0.30	0.34	
608	06.08 Chartreux	0	71	29	0	0.34	0.30	0.34	
623	06.23 Sahel	0	70	30	0	0.34	0.30	0.34	
600	06.00 Blanc	0	71	29	0	0.34	0.30	0.34	

*The fenestration property tests were conducted in accordance with EN 14501:2005, ASTM 891, ASTM E903-96: Shading Coefficient (SC), Solar Heat Gain Coefficient (SHGC), Solar Transmittance (Ts), Solar Reflectance (Rs), Solar Absorptance (As), Visible Light Transmittance (Tv); ¼ (6mm) Clear Glass (CL); 4mm Clear Glass, Single Glazing (CL-S); Double Glazing 4mm/16mm/4mm with low E-coating in position 3, space filled with Argon (DG); SC calculation: SHGC CL-S / 0.87. Acoustical performance tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. The above data is indicative. For up-to-date test results, performance specifications, and larger samples, contact the Mermet Marketing Department at www.mermetusa.com.

Fire Classifications:
NFPA 701-10 TM#1, California U.S. Title 19

Acoustical Performance:
NRC: 0.05, SAA: 0.04

Environmental Benefits:
RoHS - Lead Free, PVC Free

Care and Cleaning:
Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

M Screen



Specifications

Product Type:	Interior / Transparent	Width:	98" (250 cm)
Composition:	36% Fiberglass / 64% Vinyl	Weight:	3% = 12.7 oz/yd ² (432 g/m ²) 5% = 11.3 oz/yd ² (384 g/m ²)
Standard Packaging:	Rolls of 30 ly (27 lm)	Thickness:	0.022" (0.55 mm)

Fenestration Properties*: Openness Factor: 3% & 5% UV Blockage: 97% & 95%

Color		SC								SHGC/G Value							
SWF #	Mermet #	Color Name	T		Rs		As		Tv		¼" CL		CL-S		DG		
3%	5%		3%	5%	3%	5%	3%	5%	3%	5%	3%	5%	3%	5%	3%	5%	
M3071	N3071	30.71	Charcoal/Apricot	5	7	13	13	82	80	5	7	0.74	0.75	0.64	0.65	0.53	0.53
M0202	N0202	02.02	White/White	18	19	71	71	11	10	16	16	0.37	0.37	0.32	0.32	0.34	0.34
M0207	N0207	02.07	White/Pearl	10	15	54	52	36	33	8	12	0.47	0.49	0.41	0.43	0.39	0.40
M0220	N0220	02.20	White/Linen	15	19	64	61	21	20	11	15	0.41	0.44	0.36	0.38	0.36	0.37
M0222	N0222	02.22	White/Stone	21	21	62	61	17	18	18	18	0.44	0.44	0.38	0.38	0.37	0.37
M0707	N0707	07.07	Pearl/Pearl	7	10	34	33	59	57	5	7	0.60	0.61	0.52	0.53	0.46	0.46
M0720	N0720	07.20	Pearl/Linen	11	12	40	39	49	49	8	9	0.56	0.57	0.49	0.50	0.44	0.44
M2022	N2022	20.22	Linen/Stone	21	22	51	50	28	28	16	18	0.51	0.52	0.44	0.45	0.41	0.41
M3001	N3001	30.01	Charcoal/Grey	2	6	8	8	90	86	2	5	0.77	0.77	0.67	0.67	0.54	0.54
M3010	N3010	30.10	Charcoal/Sable	4	6	12	13	84	81	4	5	0.75	0.74	0.65	0.64	0.53	0.53
M3030	N3030	30.30	Charcoal/Charcoal	3	3	4	4	93	93	3	3	0.79	0.79	0.69	0.69	0.55	0.55
M6130	N6130	61.30	Cocoa/Charcoal	4	4	6	6	90	90	4	4	0.78	0.78	0.68	0.68	0.55	0.55

*The fenestration property tests were conducted in accordance with EN 14501:2005, ASTM 891, ASTM E903-96: Shading Coefficient (SC), Solar Heat Gain Coefficient (SHGC), Solar Transmittance (Ts), Solar Reflectance (Rs), Solar Absorptance (As), Visible Light Transmittance (Tv); ¼ (6mm) Clear Glass (CL); 4mm Clear Glass, Single Glazing (CL-S); Double Glazing 4mm/16mm/4mm with low E-coating in position 3, space filled with Argon (DG); SC calculation: SHGC CL-S / 0.87. Acoustical performance tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. The above data is indicative. For up-to-date test results, performance specifications, and larger samples, contact the Mermet Marketing Department at www.mermetusa.com.

Fire Classifications:
NFPA 701-10 TM#1, California U.S. Title 19,
CAN/ULC-S109-03 Small Flame Test

Bacterial and Fungal Resistance:
ASTM E2180 and ASTM G21

Acoustical Performance:
3% | NRC: 0.35, SAA: 0.33
5% | NRC: 0.10, SAA: 0.12

Environmental Benefits:
RoHS - Lead Free

Care and Cleaning:

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.