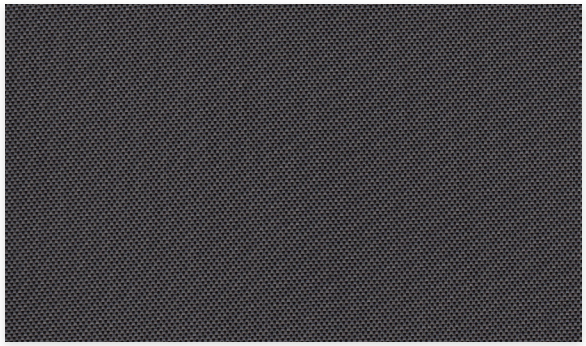
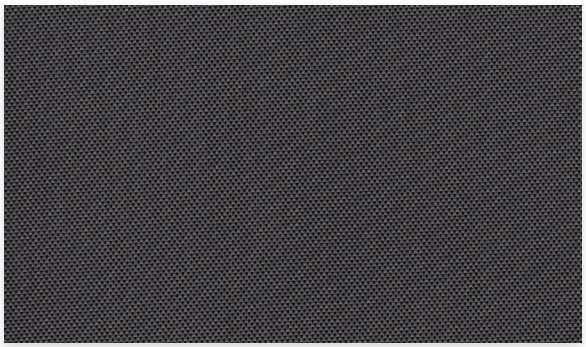
E Screen™

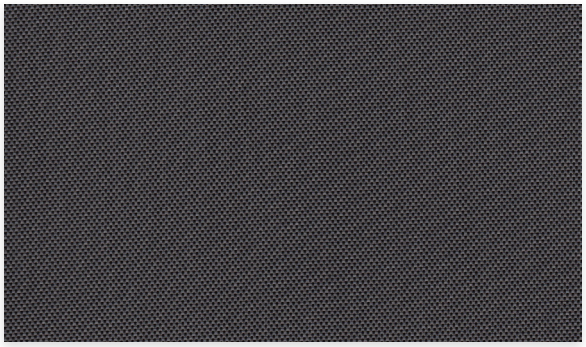
Conventional | 1% 3% 5% 10% openness



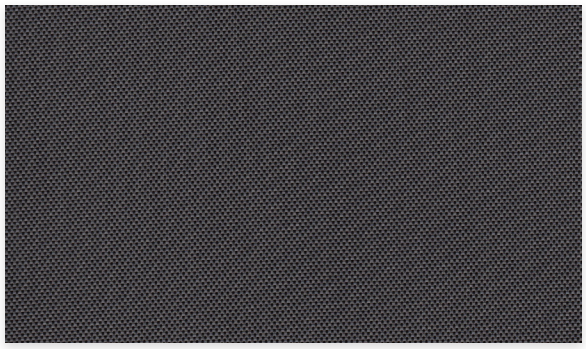
1% 030001 | Charcoal/Grey



3% 030001 | Charcoal/Grey



5% 030001 | Charcoal/Grey



10% 030001 | Charcoal/Grey

002002
White/White

002020
White/Linen

002007
White/Pearl

007020
Pearl/Linen

007007
Pearl/Pearl

007001
Pearl/Grey

00M122
Charcoal/Grey-Stone

030030
Charcoal/Charcoal

030061
Charcoal/Cocoa

030071
Charcoal/Apricot

Fabrics sampled on waterfall are 5% openness.

MERMET®
Sun Control Textiles™

Specifications

Item Number	**1%** 007501 | **3%** 007503 | **5%** 007505 | **10%** 007510
Product Category	Conventional
Fabric Style	Basketweave
Openness Factor	1%, 3%, 5% & 10%
Composition	36% Fiberglass | 64% Vinyl
UV Blockage	Approximately 90% - 99%
Standard Packaging	Rolls of 30 ly (27 lm)
Width	78 in (200 cm), 98 in (250 cm), 122 in (310 cm)
Weight	**1%** 13.3 oz/yd² (452 g/m²) ±5% | **3%** 11.6 oz/yd² (393 g/m²) ±5% **5%** 10.7 oz/yd² (363 g/m²) ±5% | **10%** 10.3 oz/yd² (350 g/m²) ±5%
Thickness	**1%** 0.020 in (0.52 mm) ±5% | **3%** 0.017 in (0.43 mm) ±5% **5%** 0.016 in (0.41 mm) ±5% | **10%** 0.020 in (0.52 mm) ±5%

Classifications

Fire Classifications	NFPA 701-10 TM#1, California U.S. Title 19, CAN/ULC-S109-03 Small & Large Flame Test
Bacterial & Fungal Resistance	ASTM E2180, ASTM G21
Environment	RoHS - Lead Free, GREENGUARD Gold
Acoustical Performance	**1%** NRC 0.50, SAA 0.50 | **3%** NRC 0.15, SAA 0.17 **5%** NRC 0.10, SAA 0.12 | **10%** NRC 0.05, SAA 0.06

Fabrication

Cutting: Cold, Ultrasonic or Crush | **Welding:** Radio-Frequency, High Frequency, Impulse, Hot Air or Wedge

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

E Screen™ 1% & 3%

		FABRIC										FABRIC + GLASS							
		thermal Total Solar						*optical*				*commercial*				*residential*			
		Rs | %		As | %		Ts | %		Rv | %		Tv | %		SHGC % Improvement				SHGC			
														Interior		Exterior		Interior		Exterior	
ITEM	COLOR	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3
030001	**Charcoal/Grey**	**9**	**10**	**88**	**85**	**3**	**5**	**8**	**10**	**2**	**5**	**16**	**16**	**84**	**84**	**0.58**	**0.60**	**0.11**	**0.11**
002002	White/White	75	73	11	11	14	16	80	78	11	13	61	58	82	82	0.25	0.28	0.12	0.14
002020	**White/Linen**	**66**	**63**	**20**	**21**	**14**	**16**	**69**	**66**	**10**	**12**	**53**	**47**	**82**	**82**	**0.31**	**0.34**	**0.13**	**0.14**
002007	White/Pearl	58	52	33	38	9	10	62	56	6	8	47	42	87	84	0.34	0.38	0.10	0.11
007020	**Pearl/Linen**	**39**	**39**	**54**	**48**	**7**	**13**	**41**	**42**	**5**	**11**	**37**	**34**	**84**	**79**	**0.42**	**0.44**	**0.11**	**0.15**
007007	Pearl/Pearl	33	32	62	59	5	9	35	34	3	8	34	32	84	82	0.45	0.47	0.10	0.13
007001	**Pearl/Grey**	**29**	**27**	**66**	**63**	**5**	**10**	**30**	**27**	**3**	**8**	**29**	**26**	**84**	**79**	**0.47**	**0.50**	**0.11**	**0.14**
00M122	Charcoal/Grey-Stone	11	13	87	80	2	7	11	13	2	6	18	18	82	79	0.54	0.55	0.11	0.14
030030	**Charcoal/Charcoal**	**4**	**5**	**95**	**91**	**1**	**4**	**4**	**5**	**1**	**4**	**13**	**13**	**84**	**84**	**0.60**	**0.62**	**0.10**	**0.11**
030061	Charcoal/Cocoa	5	7	93	89	2	4	5	7	2	3	16	13	84	84	0.59	0.62	0.11	0.10
030071	**Charcoal/Apricot**	**13**	**18**	**86**	**75**	**1**	**7**	**14**	**18**	**1**	**7**	**18**	**18**	**84**	**82**	**0.56**	**0.57**	**0.09**	**0.12**

E Screen™ 5% & 10%

ITEM	COLOR	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10
030001	**Charcoal/Grey**	**10**	**8**	**83**	**80**	**7**	**12**	**10**	**8**	**7**	**11**	**16**	**11**	**82**	**82**	**0.62**	**0.65**	**0.12**	**0.14**
002002	White/White	71	66	9	9	20	25	76	70	17	22	55	50	76	71	0.30	0.35	0.17	0.21
002020	**White/Linen**	**62**	**58**	**18**	**17**	**20**	**25**	**65**	**62**	**16**	**22**	**47**	**42**	**76**	**71**	**0.36**	**0.39**	**0.17**	**0.21**
002007	White/Pearl	51	50	37	30	12	20	55	54	9	18	39	37	84	74	0.40	0.43	0.12	0.18
007020	**Pearl/Linen**	**37**	**35**	**48**	**46**	**15**	**19**	**40**	**37**	**12**	**17**	**34**	**32**	**76**	**76**	**0.45**	**0.48**	**0.16**	**0.19**
007007	Pearl/Pearl	31	30	57	54	12	16	33	31	10	14	29	26	79	76	0.48	0.50	0.15	0.17
007001	**Pearl/Grey**	**27**	**26**	**61**	**58**	**12**	**16**	**27**	**26**	**10**	**14**	**26**	**24**	**79**	**74**	**0.50**	**0.52**	**0.15**	**0.17**
00M122	Charcoal/Grey-Stone	12	10	79	79	9	11	12	11	9	11	18	16	76	76	0.56	0.58	0.15	0.16
030030	**Charcoal/Charcoal**	**6**	**3**	**90**	**85**	**4**	**12**	**5**	**4**	**4**	**12**	**13**	**8**	**84**	**79**	**0.64**	**0.67**	**0.10**	**0.14**
030061	Charcoal/Cocoa	6	5	87	84	7	11	6	5	7	11	13	11	82	82	0.64	0.66	0.12	0.13
030071	**Charcoal/Apricot**	**15**	**14**	**78**	**72**	**7**	**14**	**16**	**14**	**6**	**13**	**18**	**16**	**84**	**79**	**0.59**	**0.62**	**0.11**	**0.15**

Warranty

5 Year Exterior & 10 Year Interior

Care & Handling

Remove dust with a 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 soft brush dipped in soapy water using a 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.

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), Total Solar Absorptance (As), Visible Reflectance (Rv), and Visible Transmission (Tv). Glass performance tests for Solar Heat Gain Coefficient (SHGC) were conducted using the Lawrence Berkeley National Laboratory Window 7.3 NFRC certified software. SHGC % improvement for commercial applications is based on a standard commercial glass makeup of Double Glazing 6 mm / ½" air / 6 mm with low E on surface #2. SHGC for residential applications is based on a default residential glass makeup of 3mm clear glass / 1/2" air / 3mm clear glass. Results for SHGC were obtained using the center of glass. Acoustical performance was tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. For up-to-date test results, performance specifications and larger samples, contact the Mermet Technical Department at: **www.mermetusa.com.**

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