Specifications

Item Number	**1%** 003501 | **3%** 003503 | **5%** 003505 | **10%** 003510
Product Category	Sustainable
Fabric Style	Warp Knit
Openness Factor	1%, 3%, 5% & 10%
Composition	100% Polyester & 67-78% Recycled Content
UV Blockage	Approximately 90% - 99%
Standard Packaging	Rolls of 50 ly (46 lm)
Width	118 in (300 cm)
Weight	**1%** 8.97 oz/yd² (304 g/m²) ±5% | **3%** 8.41 oz/yd² (285 g/m²) ±5% **5%** 7.93 oz/yd² (269 g/m²) ±5% | **10%** 5.69 oz/yd² (193 g/m²) ±5%
Thickness	**1%** .029 in (0.73 mm) ±5% | **3%** .027 in (0.68 mm) ±5% **5%** .026 in (0.67 mm) ±5% | **10%** .023 in (0.59 mm) ±5%

Classifications

Fire Classifications	NFPA 701-10 TM#1, California U.S. Title 19
Bacterial & Fungal Resistance	ASTM E2180, ASTM G21
Environment	RoHS - Lead Free, GREENGUARD Gold, Cradle to Cradle™ – Bronze
Acoustic	**1%** NRC 0.20, SAA 0.20 | **3%** NRC 0.15, SAA 0.16

Fabrication

Cutting: Cold, Ultrasonic or Crush | **Welding:** Radio-Frequency, High Frequency, Impulse, Hot Air or Wedge
May require the use of welding tape. Please contact Mermet for more information regarding our welding tape product line.
We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabric specifications.

GreenScreen® Evolve™ 1% & 3%

ITEM	COLOR	FABRIC										FABRIC + GLASS			
				thermal Total Solar				optical				commercial		residential	
		Rs (%)		As (%)		Ts (%)		Rv (%)		Tv (%)		SHGC % Improvement		SHGC	
		1	3	1	3	1	3	1	3	1	3	1	3	1	3
00QS39	**Cloud**	66	65	8	7	26	28	68	67	25	28	50	47	0.33	0.35
00QS23	Light	**65**	**62**	**9**	**9**	**26**	**29**	**67**	**64**	**25**	**28**	**50**	**45**	**0.34**	**0.37**
00QS38	**Natural**	63	60	14	12	23	28	63	60	21	26	47	42	0.34	0.38
00QS35	Haze	**62**	**59**	**17**	**15**	**21**	**26**	**59**	**57**	**17**	**23**	**45**	**42**	**0.35**	**0.39**
00QS22	**Shale**	56	53	25	22	19	25	49	47	19	19	37	34	0.39	0.42
00QS21	Shadow	**52**	**51**	**30**	**30**	**18**	**19**	**41**	**41**	**10**	**12**	**34**	**32**	**0.41**	**0.43**
00QS37	**Wind**	62	60	16	14	22	26	61	60	19	23	45	42	0.35	0.38
00QS19	Rain	**52**	**50**	**31**	**29**	**17**	**21**	**40**	**40**	**10**	**13**	**34**	**32**	**0.41**	**0.43**
00QS26	**Storm**	42	40	43	42	15	18	21	20	5	8	24	21	0.47	0.49

GreenScreen® Evolve™ 5% & 10%

ITEM	COLOR														
		5	10	5	10	5	10	5	10	5	10	5	10	5	10
00QS39	**Cloud**	60	57	8	5	32	38	63	58	32	38	45	39	0.39	0.42
00QS23	Light	**59**	**55**	**10**	**7**	**31**	**38**	**62**	**56**	**30**	**38**	**42**	**37**	**0.39**	**0.43**
00QS38	**Natural**	57	54	13	9	30	37	58	54	28	35	39	37	0.40	0.44
00QS35	Haze	**56**	**52**	**15**	**12**	**29**	**36**	**54**	**51**	**26**	**34**	**39**	**34**	**0.41**	**0.45**
00QS22	**Shale**	51	49	22	17	27	34	46	45	22	29	34	32	0.44	0.47
00QS21	Shadow	**46**	**44**	**29**	**24**	**25**	**32**	**36**	**36**	**18**	**25**	**29**	**26**	**0.47**	**0.49**
00QS37	**Wind**	56	53	13	11	31	36	55	52	28	33	39	34	0.41	0.44
00QS19	Rain	**48**	**45**	**28**	**24**	**24**	**31**	**38**	**45**	**16**	**25**	**29**	**32**	**0.45**	**0.47**
00QS26	**Storm**	38	35	41	37	21	28	38	18	11	17	29	16	0.48	0.55

Warranty

5 Year Interior

Care & Cleaning

Regular light dusting with a feather duster is suggested. A hand-held vacuum with low suction may also be used. When vacuuming, avoid pulling or stretching the fabric. Rigorous vacuuming is not recommended since this could distort the fabric. Alternatively, dirt and debris can be blown away using compressed air or hand-held air dryer on the cool setting. Alternatively, a dry chemical sponge may also be used for spot cleaning.

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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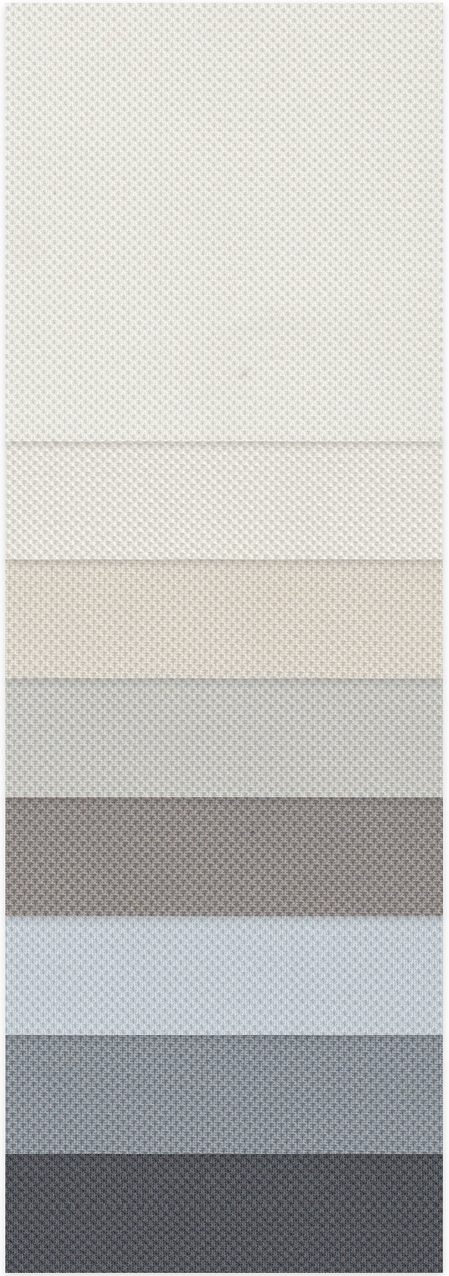
mermetusa.com

02.17.V1

GreenScreen® Evolve™

Sustainable | 1% 3% 5% 10% openness



00QS39
Cloud

00QS23
Light

00QS38
Natural

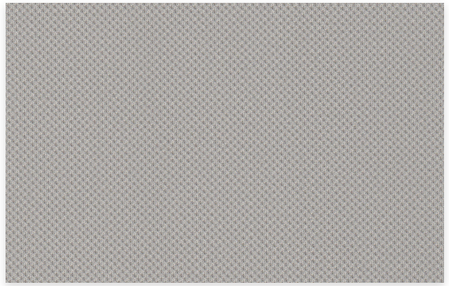
00QS35
Haze

00QS21
Shadow

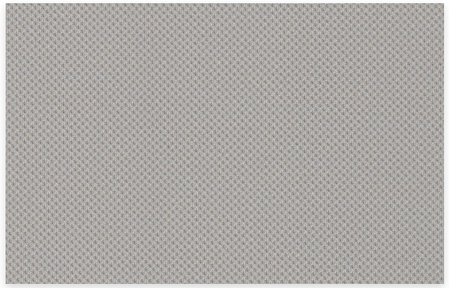
00QS37
Wind

00QS19
Rain

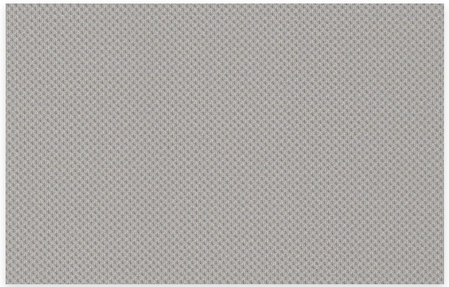
00QS26
Storm



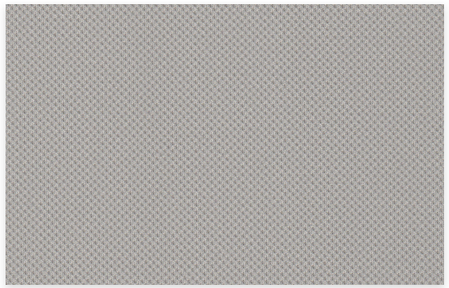
1% 00QS22 | Shale



3% 00QS22 | Shale



5% 00QS22 | Shale

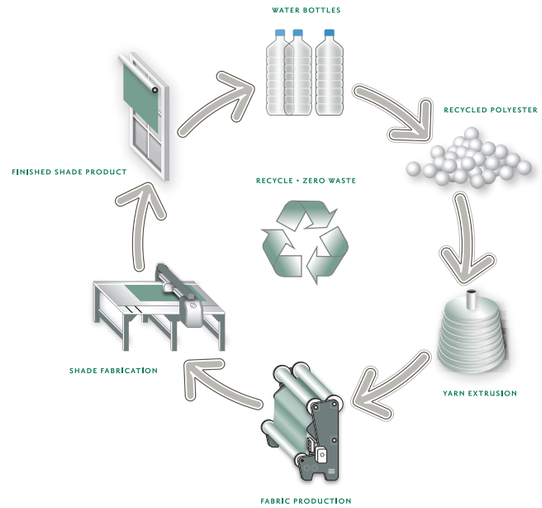


10% 00QS22 | Shale

Fabrics sampled on waterfall are 5% openness.

MERMET
Sun Control Textiles™

GreenScreen® Evolve™

Zero Waste Designer Shade Fabric

- 100% Recyclable–Zero Waste Product
- PVC-Free
- Cradle to Cradle Certified™ Bronze
- Contains up to 78% Repreve® fibers, made from 100% recycled post-industrial and consumer plastic waste
- Diamond knit pattern for beautiful views
- Made in the USA