Reduced Cooling Costs & Improved Comfor

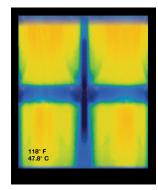
With the glare control and view-through benefits of dark fabrics

KOOLBLACK® Technology eliminates the trade-offs between aesthetics and performance by incorporating near-infrared, heat reflective properties into dark color screen fabrics. This feature, coupled with the other benefits of dark colored fabrics, provides excellent contrast for a clear view through, uniformed exterior building design, maximized energy savings and optimized occupant comfort.



Standard Dark Screen Fabrics

- high contrast for clear & sharp view through
- · coordinated exterior building design
- · exceptional glare control



E Screen™ with KOOLBLACK® Technology

- same great features as standard dark screen fabrics
- improved near-infrared reflectance of 64% in comparison to 3% for conventional charcoal/charcoal fabric
- excellent acoustic absorption with an NRC up to 0.45
- improved heat control and energy savings

Total Screen Benefits

Only E Screen™ with KOOLBLACK® Technology can achieve all screen benefits

- increased IR reflectance = less re-radiated heat = lower cooling costs & enhanced occupant comfort
- superior view through and glare control
- coordinated exterior building design and aesthetics when incorporated with glazing



More information on Mermet's full line of KOOLBLACK® Technology fabrics, E Screen™ with KOOLBLACK® Technology and T Screen with KOOLBLACK® Technology, can be found at www.mermetusa.com.



















Specifications

Item Number

Product Category

Fabric Style

Openness Factor

Composition

UV Blockage

Standard Packaging

Width

Thickness

Classifications

Fire Classifications

Bacterial Resistance

Environment

Acoustic

Fabrication

	WITH	
E Screen [™]	KOOL	BLACK

ITEM	COLOR
035035	Charcoal/Charcoal
00K122	Charcoal/Grey-Stone
035131	Charcoal/Grey
035032	Charcoal/Cocoa

E Screen™ Original

035071 Charcoal/Apricot

030030 Charcoal/Charcoal

00M122 Charcoal/Grev-Stone

030001 Charcoal/Grey

030061 Charcoal/Cocoa 030071 Charcoal/Apricot

Warranty

Care & Handling

Mermet Corporation

5970 N. Main Street ■ Cowpens, SC 29330 Ph 1.866.902.9647 ■ info@mermetusa.com

mermetusa.com

E Screen™ with KOOLBLACK

1%: 007701 | 3%: 007703 | 5%: 007705

High Performance

Basketweave

1%, 3%, & 5%

36% Fiberglass | 64% Vinyl

Approximately 95% - 99%

Rolls of 30 ly (27 lm)

98 in (250 cm), 122 in (310 cm)

1%: 12.95 oz/yd² (439 g/m²)±5%

3%: 11.3 oz/yd² (382 g/m²)±5%

5%: 10.6 oz/yd2 (358 g/m2)±5%

1%: 0.021 in (0.53 mm) +5% 3%: 0.020 in (0.51 mm) ±5%

5%: 0.019 in (0.47 mm) ±5%

NFPA 701-10 TM#1, California U.S. Title 19;

CAN/ULC-S109-03 Small & Large Flame Test ASTM E2180, ASTM G21

RoHS - Lead Free, GREENGUARD Gold

1%: NRC 0.45, SAA: 0.46 3%: NRC 0.15, SAA: 0.17 5%: NRC 0.10, SAA: 0.12

Rs

0

3

11

9

5

13

1%: NRC 0.50, SAA: 0.50 3%: NRC 0.15, SAA: 0.17 5%: NRC 0.10, SAA: 0.12

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™ Original

Conventional

Basketweave

1%, 3%, & 5% 36% Fiberglass | 64% Vinyl

Approximately 95% - 99%

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%

1%: 0.020 in (0.52 mm) +5%

3%: 0.017 in (0.43 mm) ±5%

5%: 0.016 in (0.41 mm) ±5%

ASTM E2180, ASTM G21

Rolls of 30 ly (27 lm)

1%: 007701 | 3%: 007703 | 5%: 007705

78 in (200 cm), 98 in (250 cm), 122 in (310 cm)

NFPA 701-10 TM#1, California U.S. Title 19;

CAN/ULC-S109-03 Small & Large Flame Test

RoHS - Lead Free, GREENGUARD Gold

			FABRIC													FABR	IC + 0	BLASS		
			thermal Total Solar							optical						SHGC %				
Rs	IR	%	Rs %		Rs %		As %			Ts %		Rv %		Tv %		6	Improvement			
0	3	5	0	3	6	1	3	6	0	3	6	0	3	5	1	3	5	0	3	5
64	61	60	35	34	33	53	49	49	12	17	18	9	10	10	2	6	6	18	16	16
63	60	58	38	38	36	50	46	45	12	16	19	17	19	18	3	7	9	24	24	21
67	65	62	40	40	38	49	46	45	11	14	17	16	18	17	2	5	7	24	24	21
64	61	57	36	35	32	52	48	49	12	17	19	11	12	11	2	6	7	21	16	16
62	58	59	39	38	37	47	44	42	14	18	21	19	22	19	3	6	9	24	21	18
																				0/

IR %		Rs %			P	As %			s 9	0	Rv %			
3	6	0	3	6	0	3	5	0	3	6	0	3	6	
5	6	4	5	6	95	91	90	1	4	4	4	5	5	
13	11	-11	13	12	87	80	79	2	7	9	-11	13	12	
11	11	9	10	10	88	85	83	3	5	7	8	10	10	
7	6	5	7	6	93	89	87	2	4	7	5	7	6	
18	15	13	18	15	86	75	78	1	7	7	14	18	16	

5 Year Exterior & 10 Year Interior

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.

The fabric performance tests were conducted in accordance with ASTM EBB1 8 ASTM EBG3-96: Total Solar Transmittance (Fig.), Total Solar Pedectance (Fig.), Solar Reflectance in Infrared Fig. IRI, Total Solar Pation planta (Asternation of Fig.), and Velable Transmission (Fig. Glass performance tests for Solar Heat Gain Confidence (Fig. 6)), were conducted using the Laurence Berkeley National Laboration, Window 27.5 NPTG confident of Service Service for commercial applications is based on a standard commercial glass makeup of Double Glasting 6 mm / ½" of 7 mm with low E on surface 82. Results for SHGC were obtained using the center of glass. Accusation performance was tested in a necondance with ASTM COLORS (ASTM COLORS SERVICE). In Service Confident, SAA is Sound Absorption Average. For residential SHGC data and the most up-to-date test results, performance specifications, and larger samples, contact the Mermet Technical Department: www.mermetuless.com

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09.18.V1

SHGC %

0 0 0 13 13 13

18 18 18

16 16 16

16 13 13

18 18 18

Tv I %

0 0 0

2 6 9

2 5 7

2 3 7

1 7 6

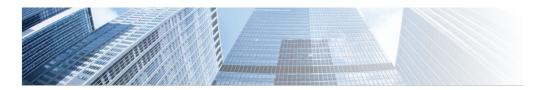


E SCREEN TM | WITH KOOLBLACK

High Performance | 1% 3% 5% openness



Fabrics sampled on the left are 5% openness. All colors are available in 1%, 3% and 5% openness factors.



Perfect Commercial Solution

A combination of E Screen™ with KOOLBLACK® Technology & E Screen™ Original

where | Southern & Western Exposures

where Northern & Eastern Exposures

The combination of E Screen™ with KOOLBLACK® Technology and E Screen™ Original, in coordinating colors, achieves a seamless exterior design appearance and cost savings solution for commercial applications.

Benefits of dark screens with KOOLBLACK® Technology

- excellent glare control
- · crisp, clear view to the outside
- coordinated exterior building design
 energy savings
- reflects NIR solar energy improved comfort

Benefits of standard dark screen fabrics

- excellent glare control
- crisp, clear view to the outside
- coordinated exterior building design



