

Product Catalog

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- Fabrics
- Certifications/Affiliations

Fabrics for Life™

The Benefits of Fiberglass Core Fabrics



Solar screen shades constructed with Enduris™ Glass Core yarn are the most technically advanced solar control fabrics in the world. The durability and stability of Enduris™ Glass Core yarn begins from the inside out, starting with a fiberglass core.

- **Fiberglass's excellent dimensional stability allows fabric to retain its shape and hang and roll evenly**
- **Non-rotting and resistant to mildew and bacteria growth**
- **3 times higher tensile strength than steel**
- **Naturally fire resistant, glass fiber yarns are made of natural composite materials such as quartz, sand, soda and lime**
- **Fiberglass is relatively unaffected by heat, humidity and load**
- **Fiberglass core yarns allow for superior coating uniformity and surface aspect**

The Benefits of 100% PVC-free polyester fabrics



Solar screen shades constructed with 100% PVC-free polyester yarns are not only strong and light weight, but also sustainable. High tenacity, low shrink 100% PVC-free Polyester yarn is:

- **Durable, flexible and strong**
- **Lightweight, which helps preserve the performance and life of roller shade hardware systems**
- **Resistant to shrinking, wrinkling and abrasions**
- **100% recyclable**
- **Naturally hydrophobic, polyester fibers repel water and dry quickly**

Choosing the Right Fabric: Consider these benefits

Style & Comfort

Interior Shading

- Create elegant, designer décor
- Reduce ambient room temperature up to 6° F
- Maximize light control and acoustic comfort
- Eliminate damaging Ultra Violet (UV) radiation

Exterior Shading

- Enhance architectural appeal
- Reduce ambient room temperature up to 20° F
- Improve light control

Shade Color

Light Colors

- Reduced heat gain increases energy efficiency
- Transmits more natural light into interior spaces
- Light colors have: higher Solar Reflectance (Rs), higher Visible Transmittance (Tv), lower Solar Heat Gain (SHGC), lower Solar Absorptance (As)

Dark Colors

- Transmits less natural light into interior spaces allowing for clean and crisp views
- Provide superior glare control for maximum visual comfort
- Darker colors have: lower Solar Reflectance (Rs), lower Visible Transmittance (Tv), higher Solar Heat Gain (SHGC), higher Solar Absorptance (As)

Shade Opacity

High Openness Fabrics

- Preserves the view to the outside
- Preserves more natural light
- Filters visible light and damaging UV radiation

Low Openness Fabrics

- Blocks visible light and damaging UV radiation
- Creates more privacy and security

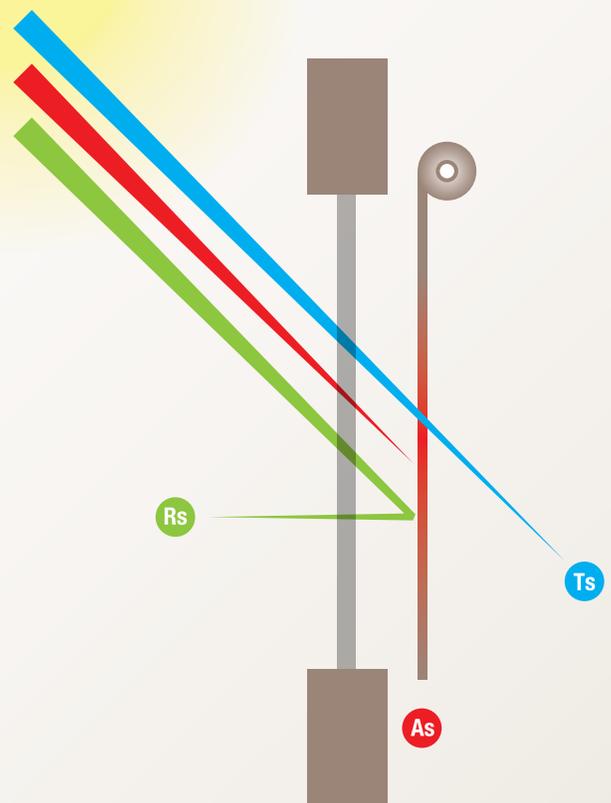
Understanding Fenestration Data

All Mermet fabrics are quality-tested for solar protection and light control performance. These tests provide us with quantitative optical and thermal / heat factors which are known as Fenestration Data. Fenestration Data helps us understand the degree of solar radiation admitted through a “glazing system” (window glass + shade fabric), and its overall effect on shade performance and interior comfort.

Thermal Factors / *Relating to fabric alone*

- Ts Solar Transmittance**
 Percentage of solar radiation that passes through the fabric; a low figure indicates greater glare reduction
- Rs Solar Reflectance**
 Percentage of solar radiation reflected back out from the fabric; a high figure indicates the fabric is good at reflecting solar energy
- As Solar Absorptance**
 Percentage of solar radiation absorbed by the fabric; a low figure indicates the fabric is good at absorbing less solar energy/heat

Total Solar Radiation



Heat Blockage Factors

- GV G-Value or Solar Heat Gain Coefficient**
SH GC Indicates how effective a glazing system is at blocking heat from solar radiation; the lower the G-Value/SHGC, the greater the protection from heat gain

$$Ts + Rs + As = 100\%$$

Solar radiation is always partially transmitted through, absorbed or reflected by the fabric; The sum of all 3 equals 100, $Ts + Rs + As = 100\%$ of solar radiation

Optical Factors

- Tv Visible Light Transmittance**
 Percentage of visible light (glare) that passes through the fabric; a low figure indicates greater glare reduction

Light Filtering Fabric Options

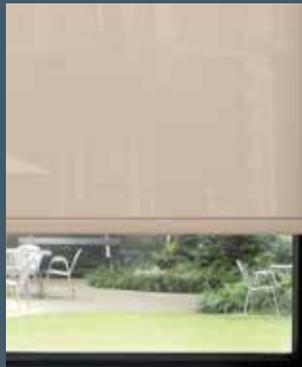
Transparent



- Clear view through fabric
- Natural light & glare control
- Solar protection
- Reduced solar heat gain

A Screen
Deco Screen
E Screen
M Screen
Natte
R Screen
S Screen Elements
S Screen Origins
Satine
SilverScreen™
T Screen Classic
T Screen Fusion
Vienne

Translucent



- Diffused view
- Natural light filtration
- Solar protection
- Reduced solar heat gain

Vela
Vizela

Blackout



- Complete UV blockage
- Ultimate privacy
- Solar protection

Avila Twilight
Edessa Twilight
Flocké®

Transparent



A Screen

14% Openness

Transparent • Interior • Exterior

FR Class:

NFPA 701-04 TM #1, CA U.S. Title 19

Environmental Benefits:

GREENGUARD *Gold*
 RoHS–Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance

10 Year Interior Warranty
5 Year Exterior Warranty

Standard Width:

98" (250 cm)

Deco Screen

5% Openness

Transparent • Interior • Exterior

FR Class:

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

Environmental Benefits:

GREENGUARD *Gold*
 RoHS–Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance

10 Year Interior Warranty
5 Year Exterior Warranty

Standard Width:

98" (250 cm)



A Screen 14% • White/Pearl

A New Window of Opportunity Awaits— Mermet's New E Screen Color Line

Versatile Colors

- 10 total colors with 4 New Rich Shades



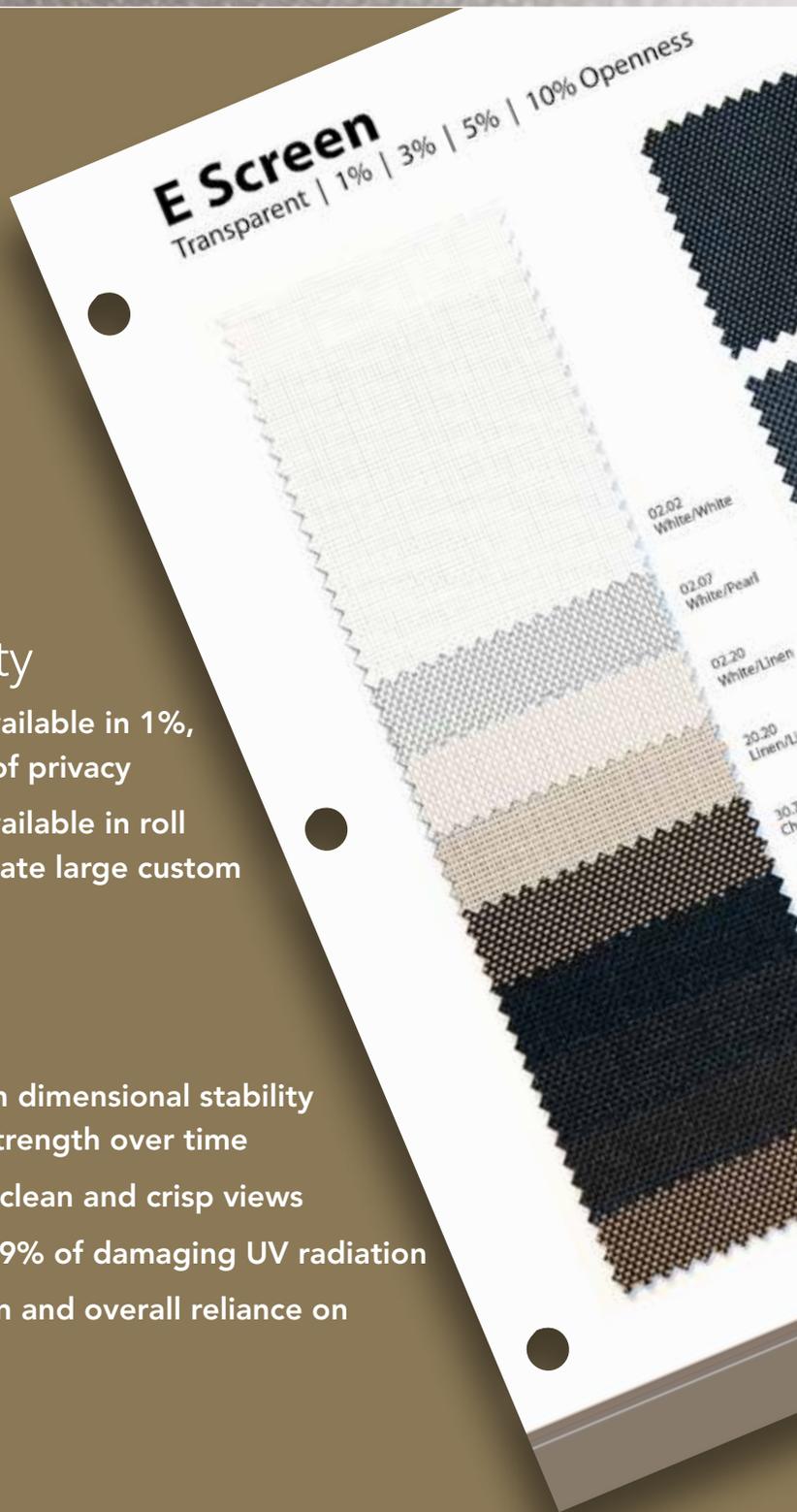
Charcoal/Cocoa Charcoal/Apricot Cocoa/Cocoa Cocoa/Apricot

Unmatched Design Flexibility

- For the first time, all E screen colors are available in 1%, 3%, 5%, and 10% for any desired degree of privacy
- For the first time, all E screen colors are available in roll widths of 78", 98" and 122" to accommodate large custom shade sizes

Quality Performance

- Enduris Fiberglass core yarn gives E Screen dimensional stability and endurance, preserving its shape and strength over time
- Popular 2x2 uniform weave helps provide clean and crisp views
- Diminishes visible glare and blocks up to 99% of damaging UV radiation
- Energy Efficiency reduces interior heat gain and overall reliance on cooling and heating systems



Transparent



1%, 3%

E Screen

1%, 3%, 5% & 10% Openness

Transparent • Interior • Exterior

FR Class:

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

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

ASTM G21 Fungal Resistance

ASTM E2180 Microbial Resistance

10 Year Interior Warranty

5 Year Exterior Warranty

Standard Widths:

78" (200 cm), 98" (250 cm), and 122" (310 cm)



White/White

Charcoal/Grey



White/Pearl

Cocoa/Cocoa



White/Linen

Charcoal/Charcoal



Charcoal/Apricot

Cocoa/Apricot



Charcoal/Cocoa



Linen/Linen

E Screen 5% • White/Linen

Transparent



M Screen

3% & 5% Openness

Transparent • Interior • Exterior

FR Class:

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

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

ASTM G21 Fungal Resistance

ASTM E2180 Microbial Resistance

10 Year Interior Warranty

5 Year Exterior Warranty

Standard Widths:

78" (200 cm), 98" (250 cm),

122" (310 cm)



White/White



Cocoa/Charcoal



Charcoal/Sable



White/Pearl



Pearl/Linen



Charcoal/Charcoal



White/Linen



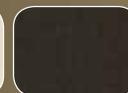
Linen/Stone



Linen/Sable-Cocoa



White/Stone



Charcoal/Cocoa



Charcoal/Apricot



Pearl/Pearl



Charcoal/Grey

Transparent



Natte

12% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD Gold
 RoHS-Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
10 Year Exterior Warranty
Standard Width:
 98" (250 cm)



R Screen

5% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD Gold
 RoHS-Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
5 Year Exterior Warranty
Standard Width:
 98" (250 cm)



Satine

5% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD Gold
 RoHS-Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
10 Year Exterior Warranty
Standard Width:
 98" (250 cm)



Transparent



S Screen Origins

4% Openness

Transparent • Interior • Exterior

FR Class:

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

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

ASTM G21 Fungal Resistance

ASTM E2180 Microbial Resistance

10 Year Interior Warranty

5 Year Exterior Warranty

Standard Widths:

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



Porcelain

Patina



Marble

Sepia



Jute

Carbon



Papyrus



Cork



Granite



S Screen Elements

4% Openness

Transparent • Interior • Exterior

FR Class:

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

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

ASTM G21 Fungal Resistance

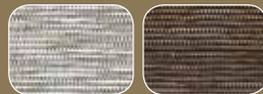
ASTM E2180 Microbial Resistance

10 Year Interior Warranty

5 Year Exterior Warranty

Standard Widths:

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



Seasalt

Clove



Peppercorn

Coffee Bean



Nougat

Licorice



Almond



Ginger



Sesame



SilverScreen™

4% Openness • Metalized Fabric

Transparent • Interior

FR Class:

NFPA 701-10 TM #1, M1NFP92-503

Environmental Benefits:

GREENGUARD Gold

Oeko-Tex 100 Certified

RoHS-Lead Free

ASTM G21 Fungal Resistance

10 Year Interior Warranty

Standard Width:

94" (240 cm)



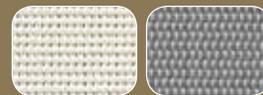
Beige

Bronze



Dark Beige

Chocolate Brown



White

Steel Grey



Light Grey

Misty Grey



Dark Grey



Black

Transparent



T Screen Classic

3% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD *Gold*
 RoHS–Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
5 Year Exterior Warranty
Standard Width:
 98" (250 cm)



T Screen Fusion

3% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD *Gold*
 RoHS–Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
5 Year Exterior Warranty
Standard Width:
 98" (250 cm)



Vienne

10% Openness
Transparent • Interior • Exterior
FR Class:
 NFPA 701-10 TM #1, CA U.S. Title 19
Environmental Benefits:
 GREENGUARD *Gold*
 RoHS–Lead Free
 ASTM G21 Fungal Resistance
 ASTM E2180 Microbial Resistance
10 Year Interior Warranty
10 Year Exterior Warranty
Standard Width:
 98" (250 cm)



Translucent



Vizela

1% Openness

Translucent • Interior

FR Class:

NFPA 701-10 TM #1, CA U.S. Title 19, ASTME E-84

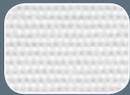
Environmental Benefits:

GREENGUARD Gold
RoHS-Lead Free
PVC Free
ASTM G21 Fungal Resistance

10 Year Interior Warranty

Standard Width:

94" (240 cm)



Blanc



Sahel



Mississippi



Chartreux



Loutre



Vela

3% Openness

Translucent • Interior

FR Class:

NFPA 701-10 TM #1, CA U.S. Title 19, M1NFPA92-512

Environmental Benefits:

GREENGUARD Gold
Oeko-Tex 100 Certified
RoHS-Lead Free
PVC Free
ASTM G21 Fungal Resistance

10 Year Interior Warranty

Standard Width:

118" (300 cm)



Charcoal



Charcoal Bronze



Linen



Pearl Linen



Pearl



Pewter



White



Vizela 1% • Mississippi

Blackout



Avila Twilight

0% Openness

Blackout • Interior

FR Class:

NFPA 701-04 TM #1, CA U.S. Title 19

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

PVC Free

ASTM G21 Fungal Resistance

Duraguard® Stain resistant

Sanitized® Mold & Mildew resistant

10 Year Interior Warranty

Standard Width:

110" (280 cm)



Black

Slate Grey

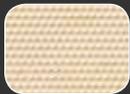


Chocolate

White



Khaki



Linen



Olive



Pearl



Edessa Twilight

0% Openness

Blackout • Interior

FR Class:

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

Environmental Benefits:

GREENGUARD Gold

RoHS-Lead Free

PVC Free

10 Year Interior Warranty

Standard Width:

118" (300 cm)



Arctic

Savannah



Beach

Tundra



Desert



Glacier



Mesa



Reef



Flocké®

0% Openness

Blackout • Interior

FR Class:

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

ASTM E-84

Environmental Benefits:

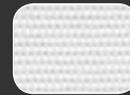
RoHS-Lead Free

PVC Free

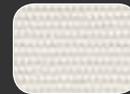
10 Year Interior Warranty

Standard Width:

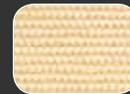
94" (240 cm)



Blanc



Sahel



Mississippi



Chartreux



Loutre

Fabrics for Life™



Mermet's "Fabrics for Life™" begin with everyday life in mind, whether at home, in the office, hospitality or healthcare. Our state-of-the-art weaving process creates designer fabrics which function beautifully to maintain the view while efficiently managing the effects of the sun.

Mermet offers over 500 fabric options for interior and exterior applications, ranging from transparent, to translucent, to blackout. A variety of openness factors from 0% to 14% offer varying degrees of privacy, view through, glare control and heat protection.

Mermet's innovative, functional fabrics are designed for solar protection, energy savings, pleasing visual aesthetics and acoustical comfort. Mermet fabrics are GREENGUARD certified and fire rated to NFPA 701 standards.

Life at Home

- Control daylight, eliminate heat and increase energy savings
- Inhibit microbial and fungal growth with ASTM E2180 and ASTM G21 certified fabrics
- GREENGUARD Gold certified fabrics
- Benefit from safe fabrics, free of lead and other heavy metals



Life in Education

- Optimize daylight to improve student concentration and overall learning performance
- Keep students healthy with GREENGUARD Gold certified fabrics
- RoHS compliant



Life in the Office

- Improve safety, security and visibility in business environments
- Ensure visual comfort while limiting glare
- Protect wood floors and furniture from damaging UV light
- Enhance acoustic comfort



Life in Hospitality

- Enhance customer mood and desirability of space
- Efficiently eliminate heat from solar radiation
- Feel secure with Mermet's 10 year fabric warranties and fire resistant capabilities
- Reduce dependence on manufactured lighting

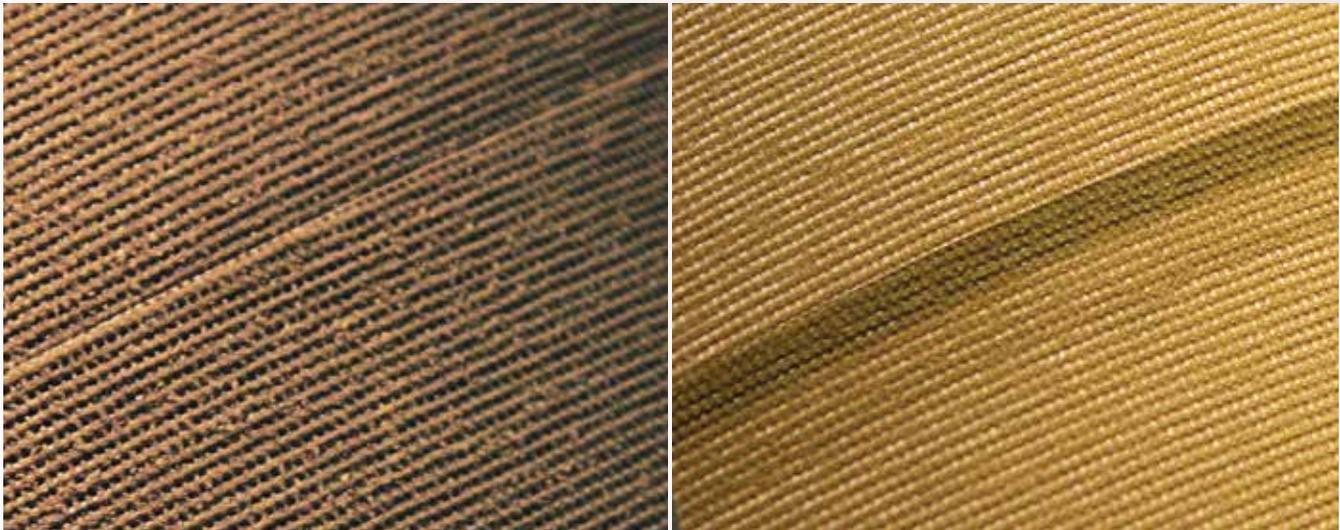


Life in Healthcare

- Ensure plentiful light in staff work areas
- Provide patients lighting that is comfortable and relaxing
- Inhibit microbial and fungal growth with ASTM E2180 and ASTM G21 certified fabrics
- Benefit from safe fabrics, free of lead and other heavy metals



Go Wide With Fabric Welding Tape



Welding Tape is an adhesive or meltable tape that is used when:

- **You need a shade that requires a width or height that exceeds maximum fabric roll widths and two pieces must be combined**
- **To seal, strengthen, and reinforce seams**
- **To help prevent fraying by reinforcing the edges of a screen (particularly on exterior screens)**



R100119 • 9mm

Silicone Paper-Backed Co-Polyamide

A great option for welding polyester fabrics and acrylic-backed polyester blackout fabrics.

Color:
slightly opaque

Packaging:
box of 5 rolls/100m rolls

R100122 • 10mm

Silicone Paper-Backed Co-Polyester Adhesive

Tape is “sticky” on one side so it can easily stay in place when used for welding polyester fabrics and acrylic-backed polyester blackout fabrics.

Color:
slightly opaque

Packaging:
box of 5 rolls/50m rolls

R100120 • 13mm

Silicone Paper-Backed Co-Polyamide

This wider tape can also be used for welding polyester fabrics and acrylic-backed polyester and blackout fabrics.

Color:
slightly opaque

Packaging:
box of 5 rolls/100m rolls

If you would like to request more information on our tape selections, please contact us at info@mermetusa.com

Health, Environment & Affiliations

Certifications & Testing



Fungal Resistance



Microbial Resistance



Fire Resistance



Lead-Free



Clean Air

Affiliations



Mermet is a member of the U.S. Green Building Council. USGBC and its members share a vision: *“To transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy and prosperous environment that improves the quality of life.”*



Mermet is collaborating with McDonough Braungart Design Chemistry (MBDC), a global sustainability consulting and product certification firm, in an effort to leave a ‘positive footprint’ through creating environmentally friendly fabrics and implementing green manufacturing practices.

For more information on Healthcare Certifications and Professional Affiliations, visit: www.mermetusa.com

MERMET



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A Screen 14% • Charcoal/Charcoal

Photo courtesy of Winthrop University, Rock Hill, SC