Basketweave E Screen with KOOLBLACK™ Technology

What is KOOLBLACK™ Technology?

KOOLBLACK Technology is a patented technology that enhances dark colored yarn’s energy reflectivity by increasing its near infrared reflection (NIR). And now, Basketweave E Screen, a top-specified fabric—is available with KOOLBLACK Technology.

While conventional dark screen fabric provides superior view through and exceptional glare control, it absorbs the energy that is created by near infrared wavelength. KOOLBLACK Technology enables the fabric to reflect more solar heat, absorbing less energy.

**Fabric specifications:**

**3% and 5% Openness**
Transparent Interior

**FR Class:**
NFPA 701-10 TM #1, CA U.S. Title 19

**Environmental Benefits:**
GREENGUARD®
Children and Schools
RoHS - Lead Free
ASTM G21 Fungal Resistance
ASTM E2180 Microbial Resistance

**Eight-Year Warranty**
For all fabrics

**Standard Widths:**
98 in. (250 cm), 122 in. (310 cm)

**Available colors:**

- 35.35 Charcoal/Charcoal
- 35.32 Charcoal/Cocoa
- 35.71 Charcoal/Apricot
- 32.32 Cocoa/Cocoa
- 32.71 Cocoa/Apricot

Rs = Solar Reflectance • As = Solar Absorbance • Ts = Solar Transmittance

* G-Value or Solar Heat Gain Coefficient (SHGC) is a measurement of how effective a glazing system (glass + window shade) is blocking solar heat. The lower the G-Value, the higher the heat reflection, which equals less solar heat transmittance.
**KOOLBLACK™ Technology at Work**

KOOLBLACK Technology increases the energy efficiency of dark solar shade fabrics to the levels comparable with light colors. Only dark solar shade fabrics with KOOLBLACK Technology provide exceptional glare control, comfortable views, and elegant aesthetics while reducing heat.

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*Shown below (East facing windows):*

**Fabric** | 5% Charcoal/Charcoal **Time of Day/Year** | 10:00 am/April **Location** | SC, USA

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**Basketweave E Screen with KOOLBLACK Technology** is cooler at the window and reduces the Solar Heat Gain Coefficient up to 21% (G value versus standard dark screen fabrics).

**Basketweave E Screen**

**Original**

136˚ F / 57.8˚ C

- superior view through
- coordinated exterior building design
- exceptional glare control

**Basketweave E Screen**

with KOOLBLACK Technology

118˚ F / 47.8˚ C

- superior view through
- coordinated exterior building design
- exceptional glare control

**Added benefits:**

- reflects NIR solar energy
- improved heat control
- increased energy savings

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*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 (6 mm) Clear Glass (CL); 4 mm Clear Glass, Single Glazing (CL-S); Double Glazing 4 mm/16 mm/4 mm with low E-coating in position 3, space filled with Argon (DG); SC calculation: SHGC CL-S / 0.87. For performance specifications, and larger samples, contact the Mermet Marketing Department: info@mermetusa.com • www.mermetusa.com
Ideal Commercial Solution

Basketweave E Screen with KOOLBLACK™ Technology and Basketweave E Screen Original

Using Basketweave E Screen with KOOLBLACK Technology and Basketweave E Screen Original in coordinating colors is a cost-effective solution for achieving a clean, seamless look in commercial applications.

Example

Use Basketweave E Screen with KOOLBLACK Technology on facades with high sun exposure and solar heat gain, and use Basketweave E Screen Original on other facades.

To learn more, call your local Lutron sales representative.