

MERMET 

E Screen | WITH **KOOLBLACK**[™]
TECHNOLOGY



Our New Dark Fabrics Know How to Resist Heat
Less heat. Less glare. Just cool.

KOOLBLACK[™] Technology is a patented technology that enhances dark coloured yarn's energy reflectivity by increasing its near infrared reflection (NIR).

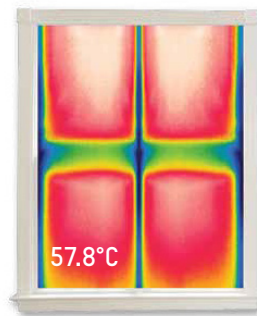
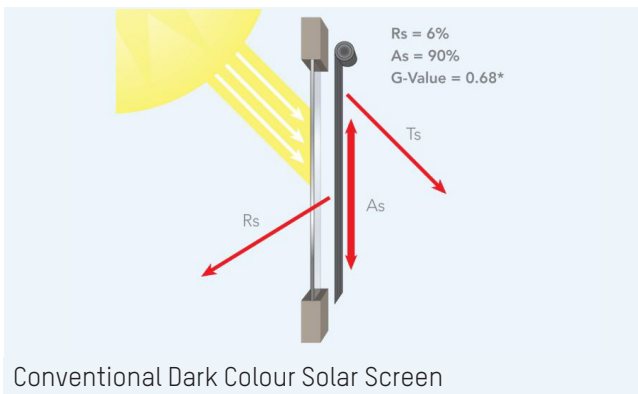
What is KOOLBLACK™ Technology?

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, therefore, absorb less energy.

KOOLBLACK™ Technology at work

KOOLBLACK™ Technology increases the energy efficiency of dark solar shade fabrics to the levels comparable with light colours! Only dark solar shade fabrics with KOOLBLACK™ Technology provide exceptional glare control, comfortable view through and elegant streetside aesthetics while reducing heat.

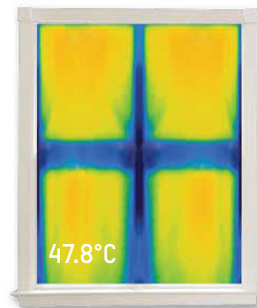
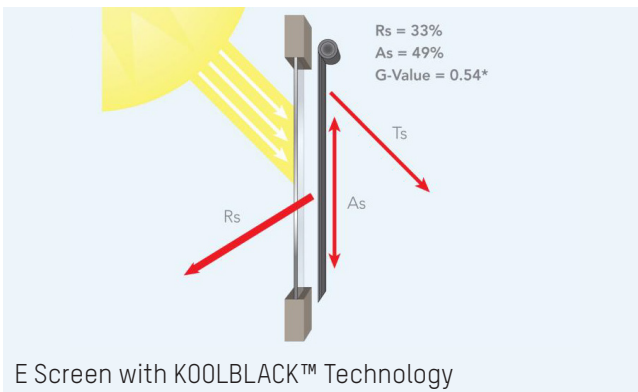
E Screen with KOOLBLACK™ Technology is Cooler at the Window & Reduces the Solar Heat Gain Coefficient by up to 21%



E Screen Original

5% Charcoal/Charcoal
East facing window 10:00 am SC USA in April

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



E Screen with KOOLBLACK™ Technology

5% Charcoal/Charcoal
East facing window 10:00 am SC USA in April

- same great features as E Screen Original



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

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. Rs = Solar Reflectance; As = Solar Absorbance; Ts = Solar Transmittance



5% Openness (3% on indent) Transparent • Interior

- **FR Class:**
AS (AUS) AWTA Tested AS 1530 parts 2 & 3
FR (USA) NFPA 701-10 TM #1, CA U.S. Title 19
- **Standard Widths:**
250cm, 310cm

- **Environmental Benefits:**
GREENGUARD® Children & Schools
Oeko-Tex 100 Certified
RoHS – Lead Free
ASTM G21 Fungal Resistance
ASTM E2180 Microbial Resistance