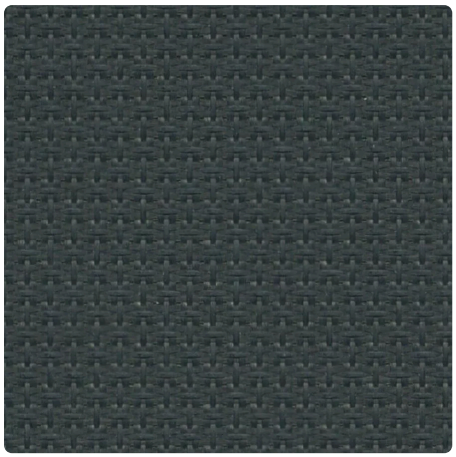
MERMET

EVOLUTION

# SCREEN NATURE

Balancing comfort and sustainability

## COLOUR 00030003 Black



| | |
|---|---|
| **WIDTH(S)** | 180, 240 cm |
| **DENSITY** | 4% |

## VISUAL COMFORT - BLACK

| | |
|---|---|
| Glare control | 1 |
| View through | 2 |
| Privacy | 2 |
| Daylight | 1 |

## THERMAL COMFORT WITH GLAZING F

Class interior

## THERMAL AND VISUAL PROPERTIES

| | |
|---|---|
| Solar Reflectance Rs | 6,4% |
| Solar Transmittance Ts | 4,9% |
| Interior g-tot - Glazing F | 0,581 |
| Visual Transmittance Tv | 0,049 |
| Diffuse Visual Transmittance Tvn-dif | 0,002 |
| Direct Visual Transmittance Tvn-n | 0,046 |

# ABOUT THIS RANGE



Embrace the future sustainably with our next-generation fabrics. Engineered for innovation, designed for tomorrow's sustainable living.

### SCREEN NATURE

- ✓ Mineral-based composition: Free from PVC, halogens, and polyester
- ✓ Regular pattern ensuring superb outward visibility and transparency
- ✓ Refined fabric design, perfect for blinds in smaller, confined areas
- ✓ Capable of withstanding moisture-rich environments (e.g., indoor pools)
- ✓ Non-combustible with zero smoke emissions (M0, A2-s1-d0, F0)

# TECHNICAL DATA

## GENERAL FABRIC PROPERTIES

| | Average value | Standard |
|---|---|---|
| **Weighted composition** | 90% Fibreglass - 10% Coating | |
| **Weaving pattern** | Plain weave | |
| **Width(s)** | 180, 240 cm | |
| **Roll length (nominal)** | Rolls of 50 lm | |
| **Surface mass (weight)** | 170 g/m² ± 5% | ISO 2286-2 |
| **Thickness** | 0.23 mm ± 5% | ISO 2286-3 |
| **Colour fastness to artificial light (scale of 8)** | ≥ 7/8 (white not graded) | ISO 105 B02 |
| **Acoustic properties (αw)** | 0.16 | ISO 10534-2 |

## MECHANICAL PROPERTIES

| | Average value | Standard |
|---|---|---|
| **Breaking strength - Warp** | >100 daN/5 cm | ISO 1421 |
| **Breaking strength - Weft** | >110 daN/5 cm | ISO 1421 |
| **Elongation at break - Warp** | <5% | ISO 1421 |
| **Elongation at break - Weft** | <5% | ISO 1421 |
| **Tear strength - Warp** | ≥3 daN | ISO 4674-1 method 2 |
| **Tear strength - Weft** | ≥3 daN | ISO 4674-1 method 2 |

# FIRE CERTIFICATES

| | | Standard |
|---|---|---|
| Euroclass | A2-s1,d0 | EN 13501-1 |
| European Union - Spain | Class 1 | EN 13773 |
| France | M0 | NF P 92-507 |
| France | M1 | NF P 92-507 |
| Germany | A2 | DIN 4102-1 |
| Italy | Classe Uno | UNI 9177 |
| Railway Risk level R1 | HL3 | EN 45545-2 |
| United Kingdom | Class 0 | BS 476 part 6 & 7 |
| United States | FR | NFPA 701 |

# THERMAL AND VISUAL PROPERTIES

| Thermal properties | | |
|---|---|---|
| Solar Transmittance Ts (%) | 4,9 | |
| Solar Reflectance Rs (%) | 6,4 | |
| Solar Absorptance As (%) | 88,6 | |
| Visual properties | | |
| Direct Visual Transmittance Tvn-n | 0,046 | |
| Diffuse Visual Transmittance Tvn-dif | 0,002 | |
| Diffuse Hemispherical Transmittance Tvdif-h | 0,036 | |
| Visual Transmittance Tv | 0,049 | |
| Daylight | 1 | |
| Glare control | 1 | |
| Privacy | 2 | |
| View through | 2 | |
| UV Protection (Suv Class) | 2 | |
| Thermal factors | Average value | Class |
| Gtot Glazing F | 0,581 | 0 |
| Gtot Glazing G | 0,302 | 2 |
| Gtot Glazing H | 0,488 | 1 |

# HEALTH, SAFETY AND OTHER PROPERTIES

5 Warranty

Printable

Antibacterial

Fire retardant

Made in EU

PVC free

Greenguard Gold