

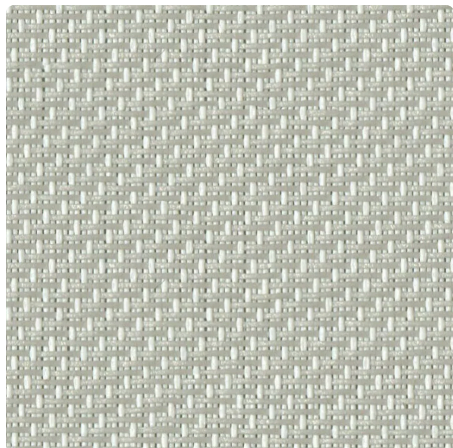
MERMET

HIGH PERFORMANCE

OPTIMAL 3

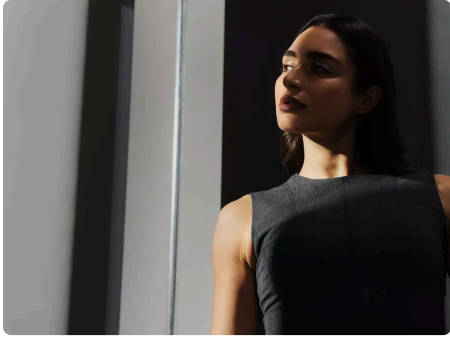
Double-sided fabric combining thermal and visual comfort

COLOUR 00020007 White Pearl (Side A)



| | |
|--|-------------|
| WIDTH(S) | 250, 320 cm |
| DENSITY | 3% |
| VISUAL COMFORT - WHITE PEARL (SIDE A) | |
| Glare control | 0 |
| View through | 1 |
| Privacy | 2 |
| Daylight | 2 |
| THERMAL COMFORT WITH GLAZING F | |
| Class interior | 1 |
| THERMAL AND VISUAL PROPERTIES | |
| Solar Reflectance Rs | 43,8% |
| Solar Transmittance Ts | 17,2% |
| Interior g-tot - Glazing F | 0,408 |
| Visual Transmittance Tv | 0,160 |
| Diffuse Visual Transmittance Tvn-dif | 0,123 |
| Direct Visual Transmittance Tvn-n | 0,038 |

ABOUT THIS RANGE



Unlock augmented features with our cutting-edge fabrics, delivering high added value and best-in-class performance for glare control, temperature management or acoustical comfort.

OPTIMAL 3

- ✓ Optimal balance between visual and thermal performance thanks to its double-sided pattern
- ✓ Dark-coloured side for a perfect balance between glare control and visual comfort
- ✓ Reflective white side to optimise heat protection
- ✓ 2 other densities for tailored solar shading based on building orientation
- ✓ Extra wide width (320 cm)

TECHNICAL DATA

GENERAL FABRIC PROPERTIES

| | Average value | Standard |
|--|---------------------------|-------------|
| Weighted composition | 36% Fibreglass - 64% PVC | |
| Weaving pattern | Satin | |
| Width(s) | 250, 320 cm | |
| Roll length (nominal) | Rolls of 33 lm | |
| Surface mass (weight) | 425 g/m ² ± 5% | ISO 2286-2 |
| Thickness | 0.61 mm ± 5% | ISO 2286-3 |
| Colour fastness to artificial light (scale of 8) | ≥ 7/8 (white not graded) | ISO 105 B02 |
| Acoustic properties (αw) | 0.2 | ISO 10534-2 |

MECHANICAL PROPERTIES

| | Average value | Standard |
|----------------------------|---------------|---------------------|
| Breaking strength - Warp | >180 daN/5 cm | ISO 1421 |
| Breaking strength - Weft | >140 daN/5 cm | ISO 1421 |
| Elongation at break - Warp | <5% | ISO 1421 |
| Elongation at break - Weft | <5% | ISO 1421 |
| Tear strength - Warp | ≥7 daN | ISO 4674-1 method 2 |
| Tear strength - Weft | ≥6 daN | ISO 4674-1 method 2 |

FIRE CERTIFICATES

| | | Standard |
|------------------------|------------|-------------|
| European Union - Spain | Class 1 | EN 13773 |
| France | M1 | NF P 92-507 |
| Germany | B1 | DIN 4102-1 |
| Italy | Classe Uno | UNI 9177 |
| United States | FR | NFPA 701 |

THERMAL AND VISUAL PROPERTIES

Thermal properties

| | |
|----------------------------|------|
| Solar Transmittance Ts (%) | 17,2 |
| Solar Reflectance Rs (%) | 43,8 |
| Solar Absorptance As (%) | 39,0 |

Visual properties

| | |
|---|-------|
| Direct Visual Transmittance Tv _{n-n} | 0,038 |
| Diffuse Visual Transmittance Tv _{n-dif} | 0,123 |
| Diffuse Hemispherical Transmittance Tv _{dif-h} | 0,137 |
| Visual Transmittance Tv | 0,160 |
| Daylight | 2 |
| Glare control | 0 |
| Privacy | 2 |
| View through | 1 |
| UV Protection (Suv Class) | 2 |

| Thermal factors | Average value | Class |
|----------------------------|---------------|-------|
| G _{tot} Glazing F | 0,408 | 1 |
| G _{tot} Glazing G | 0,197 | 2 |
| G _{tot} Glazing H | 0,350 | 1 |

HEALTH, SAFETY AND OTHER PROPERTIES



Warranty



Reach compliant



Printable



Lead free



Fire retardant



Made in EU



Greenguard Gold