

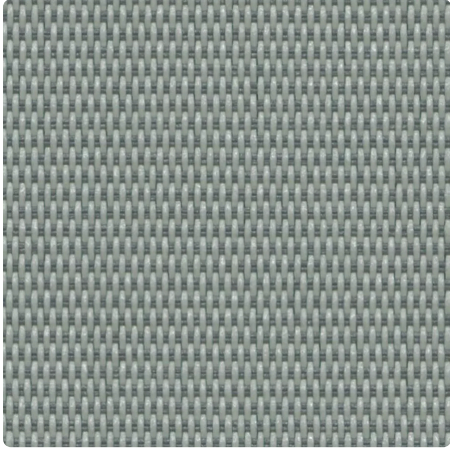
# MERMET

## ESSENTIALS

# M-SCREEN 1

High density fabric to optimise glare control

**COLOUR** 00070001 Pearl Grey



<b>WIDTH(S)</b>	200, 250, 320 cm
<b>DENSITY</b>	1%
<b>VISUAL COMFORT - PEARL GREY</b>	
Glare control	3
View through	2
Privacy	2
Daylight	1
<b>THERMAL COMFORT WITH GLAZING F</b>	
Class interior	1
<b>THERMAL AND VISUAL PROPERTIES</b>	
Solar Reflectance Rs	29,3%
Solar Transmittance Ts	6,2%
Interior g-tot - Glazing F	0,480
Visual Transmittance Tv	0,042
Diffuse Visual Transmittance Tv <sub>n-dif</sub>	0,036
Direct Visual Transmittance Tv <sub>n-n</sub>	0,006

# ABOUT THIS RANGE



Discover our top-rated interior solar shading fabrics: Unmatched quality, proven performance, and widely acclaimed as the most popular choice. Elevate your space with superior solutions!

## M-SCREEN 1

- ✓ Excellent glare control for very good visual comfort
- ✓ Optimum thermal comfort with light colours
- ✓ 2 other densities for tailored solar shading based on building orientation
- ✓ Blackout solution available with Kibo
- ✓ Economical: 3 width sizes (up to 320cm) to reduce waste in the manufacturing of fabric panels

# TECHNICAL DATA

## GENERAL FABRIC PROPERTIES

	Average value	Standard
Weighted composition	36% Fibreglass - 64% PVC	
Weaving pattern	Natté 1x2	
Width(s)	200, 250, 320 cm	
Roll length (nominal)	Rolls of 33 lm	
Surface mass (weight)	440 g/m <sup>2</sup> ± 5%	ISO 2286-2
Thickness	0.5 mm ± 5%	ISO 2286-3
Colour fastness to artificial light (scale of 8)	≥ 7/8 (white not graded)	ISO 105 B02
Acoustic properties (αw)	0.56	ISO 10534-2

## MECHANICAL PROPERTIES

	Average value	Standard
Breaking strength - Warp	>150 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	≥5 daN	ISO 4674-1 method 2
Tear strength - Weft	≥4 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 Kingdom	Class 0	BS 476 part 6 & 7
United States	FR	NFPA 701

# THERMAL AND VISUAL PROPERTIES

## Thermal properties

Solar Transmittance Ts (%)	6,2
Solar Reflectance Rs (%)	29,3
Solar Absorptance As (%)	64,5

## Visual properties

Direct Visual Transmittance Tv <sub>n-n</sub>	0,006
Diffuse Visual Transmittance Tv <sub>n-dif</sub>	0,036
Diffuse Hemispherical Transmittance Tv <sub>dif-h</sub>	0,037
Visual Transmittance Tv	0,042
Daylight	1
Glare control	3
Privacy	2
View through	2
UV Protection (Suv Class)	4

Thermal factors	Average value	Class
G <sub>tot</sub> Glazing F	0,480	1
G <sub>tot</sub> Glazing G	0,243	2
G <sub>tot</sub> Glazing H	0,408	1

# HEALTH, SAFETY AND OTHER PROPERTIES



Warranty



Reach compliant



Printable



Lead free



Antibacterial



Fire retardant



Made in EU



Greenguard Gold