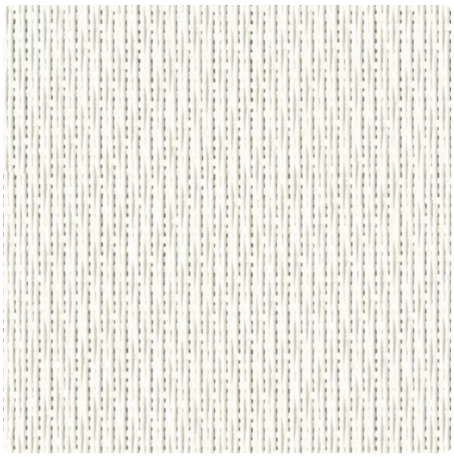
MERMET

HIGH PERFORMANCE

OPTIMAL 3

Double-sided fabric combining thermal and visual comfort

COLOUR 00020002 White (Side B)



WIDTH(S)	250, 320 cm
DENSITY	3%

VISUAL COMFORT - WHITE (SIDE B)

Glare control	0
View through	0
Privacy	2
Daylight	2

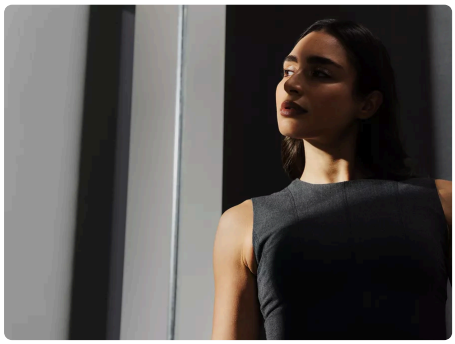
THERMAL COMFORT WITH GLAZING F

Class interior	2

THERMAL AND VISUAL PROPERTIES

Solar Reflectance Rs	65,9%
Solar Transmittance Ts	21,8%
Interior g-tot - Glazing F	0,295
Visual Transmittance Tv	0,215
Diffuse Visual Transmittance Tvn-dif	0,176
Direct Visual Transmittance Tvn-n	0,039

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/m² ± 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 (%)	21,8	
Solar Reflectance Rs (%)	65,9	
Solar Absorptance As (%)	12,4	
Visual properties		
Direct Visual Transmittance Tvn-n	0,039	
Diffuse Visual Transmittance Tvn-dif	0,176	
Diffuse Hemispherical Transmittance Tvdif-h	0,186	
Visual Transmittance Tv	0,215	
Daylight	2	
Glare control	0	
Privacy	2	
View through	0	
UV Protection (Suv Class)	2	
Thermal factors	Average value	Class
Gtot Glazing F	0,295	2
Gtot Glazing G	0,127	3
Gtot Glazing H	0,257	2

HEALTH, SAFETY AND OTHER PROPERTIES

5 Warranty

Printable

Fire retardant

Made in EU

GREENGUARD GOLD Greenguard Gold