

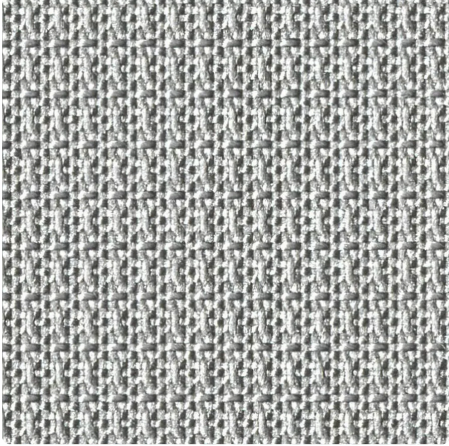
# MERMET

## EVOLUTION

# ZILARIO 3

Metallised fabric to optimise glare control

**COLOUR** 00030003 Black (Side B - Alu)



<b>WIDTH(S)</b>	240, 290 cm
<b>DENSITY</b>	2%
<b>VISUAL COMFORT - BLACK (SIDE B - ALU)</b>	
Glare control	3
View through	2
Privacy	2
Daylight	0
<b>THERMAL COMFORT WITH GLAZING F</b>	
Class interior	2
<b>THERMAL AND VISUAL PROPERTIES</b>	
Solar Reflectance Rs	59,7%
Solar Transmittance Ts	5,5%
Interior g-tot - Glazing F	0,346
Visual Transmittance Tv	0,020
Diffuse Visual Transmittance Tv <sub>n-dif</sub>	0,001
Direct Visual Transmittance Tv <sub>n-n</sub>	0,023

# ABOUT THIS RANGE



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

## ZILARIO 3

- ✓ Perfect for eco-friendly building initiatives like LEED and BREEAM
- ✓ Created from recycled PET bottles, free from PVC
- ✓ Effective glare control
- ✓ Due to its metallic side, the fabric offers superior solar reflection and outstanding visible transmission, regardless of the chosen colour
- ✓ Meeting diverse environmental standards

# TECHNICAL DATA

## GENERAL FABRIC PROPERTIES

	Average value	Standard
Weighted composition	100% recycled PET bottles	
Weaving pattern	Knitted	
Width(s)	240, 290 cm	
Roll length (nominal)	Rolls of 30 lm	
Surface mass (weight)	226 g/m <sup>2</sup> ± 5%	ISO 2286-2
Thickness	0.52 mm ± 5%	ISO 2286-3
Colour fastness to artificial light (scale of 8)	≥ 2/8 (white not graded)	ISO 105 B02
Acoustic properties (αw)	0.34	ISO 10534-2

## MECHANICAL PROPERTIES

	Average value	Standard
Breaking strength - Warp	>153 daN/5 cm	ISO 1421
Breaking strength - Weft	>127 daN/5 cm	ISO 1421
Elongation at break - Warp	<33%	ISO 1421
Elongation at break - Weft	<34%	ISO 1421
Tear strength - Warp	≥22 daN	ISO 4674-1 method 2
Tear strength - Weft	≥20 daN	ISO 4674-1 method 2

# FIRE CERTIFICATES

		Standard
Euroclass	B-s1,d0	EN 13501-1
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	Type C	BS 5867 part 2
United States	FR	NFPA 701

# THERMAL AND VISUAL PROPERTIES

## Thermal properties

Solar Transmittance Ts (%)	5,5
Solar Reflectance Rs (%)	59,7
Solar Absorptance As (%)	34,8

## Visual properties

Direct Visual Transmittance Tv <sub>n-n</sub>	0,023
Diffuse Visual Transmittance Tv <sub>n-dif</sub>	0,001
Diffuse Hemispherical Transmittance Tv <sub>dif-h</sub>	0,018
Visual Transmittance Tv	0,020
Daylight	0
Glare control	3
Privacy	2
View through	2

UV Protection (Suv Class)	3	
Thermal factors	Average value	Class
G <sub>tot</sub> Glazing F	0,346	2
G <sub>tot</sub> Glazing G	0,167	2
G <sub>tot</sub> Glazing H	0,303	2

# HEALTH, SAFETY AND OTHER PROPERTIES



Warranty



Reach compliant



Printable



Lead free



PVC free



Fire retardant



Made in EU



Greenguard Gold



Cradle to Cradle Bronze



Oeko-Tex