

BLACKOUT 100%

KIBO 8500

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COLLECTION
2018
2021

INTELLIGENT FABRICS FOR SOLAR PROTECTION



INTERNAL
APPLICATION

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KIBO 8500

THEBLACKOUT FABRIC COORDINATED WITH INTERNAL SCREENS

100 % BLACKOUT AND HEAT PROTECTION SCREEN LOOK

- First-class solution, 100% OF THE LIGHT AND UV RAYS BLOCKED at 100.000 lux
- THERMAL COMFORT: thanks to its white acrylic backing facing the window, UP TO 89% OF SOLAR RADIATION IS ELIMINATED (gtot = 0,11 / glazing g = 0,32 and U = 1,1)
- 8 colours from the M-Screen 8505 colour range
- WIDE WIDTH OF 250 CM for large-sized windows offering a seamless design
- High MECHANICAL RESISTANCE and good DIMENSIONAL STABILITY for high roller blinds
- Health/Safety: conforms to standard requirements for buildings open to the public

TECHNICAL DATA

KIBO 8500			
Composition	Coated fibreglass yarns flocked fabric		
Fire, smoke classification and other official test reports	M1 (F) - NFP 92 503 IMO - MED 2014/90/EU HHV: 15,3 MJ/kg (9,03 to 9,94 MJ/m²)		
Health, safety	Greenguard®: Guarantee of indoor air quality (VOC) Antibacterial: More than 99% of bacteria destroyed - ASTM E 2180		
Opacity	100% at 100.000 lux (500 W)		
UV screen	100%		
Width	250 cm		
Weight/m²	590 to 650 g ± 10% (depending on colours) - ISO 2286 - 2		
Thickness	0,50 to 0,55 mm ± 10% (depending on colours) - ISO 2286 - 3		
Colour Fastness to light (scale of 8)	7/8 - ISO 105 B02 (white not graded)		
Mechanical resistance	Breaking	Tear	Folding
Warp	> 135 daN/5 cm	≥ 4 daN	≥ 40 daN/5 cm
Weft	> 140 daN/5 cm	≥ 4 daN	≥ 60 daN/5 cm
	ISO 1421	EN 1875-3	ISO 1421
Elongation (warp and weft)	< 5% - ISO 1421		
Packaging	Rolls of 33 lm		
Making up	Advice note on request		

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Reports available on request, please contact Mermet

Internal procedure derived from ISO 1421 standard

Colours 0202-0220-0207-0707-0101 = weight/m² : 650 g (± 10%) & thickness: 0,55 mm (± 10%)

Colours 3010-3006-3030 = weight/m²: 590 g (± 10%) & thickness: 0,50 mm (± 10%)

WIDTH: 250 CM

0202

0220

0207

0707

0101

3010

3006

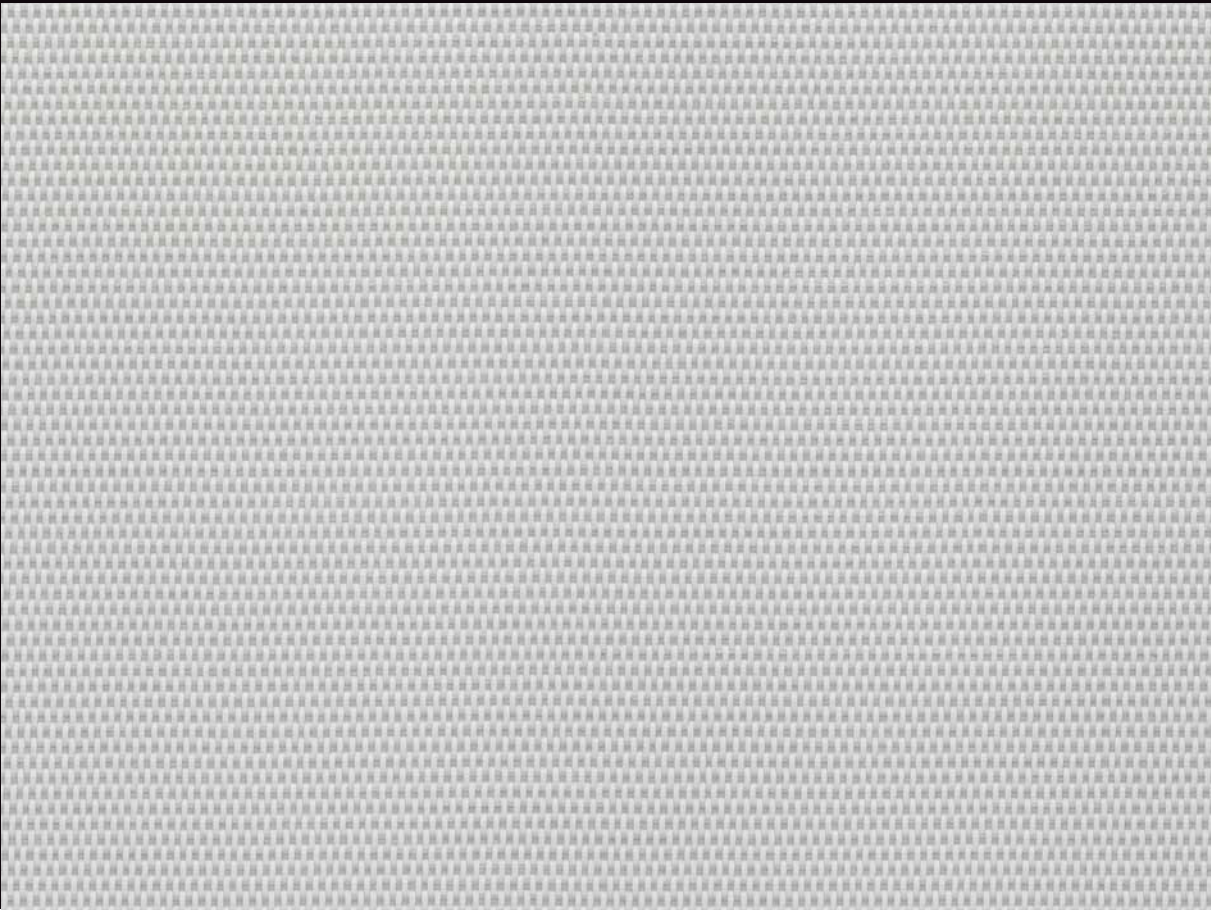
3030

Colours may be slightly different from the actual ones

SERVICE

- Calculation of solar factor g_{tot} (glazing + blind)
- Spectral values and thermal & optical factors available on request
- Specification sheet
- A4 samples and prototypes
- Training on fabrics functionality

0207



THERMAL AND OPTICAL FACTORSthe European standard EN 14501

KIBO 8500 OF 0%	Thermal factors					Optical factors
	Fabric			Fabric + Glazing / gtot internal blind		Tv
	Ts	Rs	As	C : gv = 0,59	D : gv = 0,32	
White acrylic backing side	0	64	36	0,30 ②	0,14 ③	0
0202 White	0	74	26	0,25 ②	0,11 ③	0
0220 White Linen	0	67	33	0,29 ②	0,14 ③	0
0207 White Pearl	0	58	42	0,33 ②	0,16 ②	0
0707 Pearl	0	40	60	0,41 ①	0,15 ②	0
0101 Grey	0	23	77	0,49 ①	0,28 ②	0
3010 Charcoal Sable	0	13	87	0,53 ①	0,29 ②	0
3006 Charcoal Bronze	0	6	94	0,55 ①	0,31 ②	0
3030 Charcoal	0	5	95	0,55 ①	0,31 ②	0

gv = 0,59: Solar factor of standard glazing (C), low-emission 4/16/4 double glazing filled with Argon (U value thermal transmittance = 1,2 W/m²K).
gv = 0,32: Solar factor of standard glazing (D), reflecting low-emission 4/16/4 double glazing filled with Argon (U value thermal transmittance = 1,1 W/m²K).

Classification according to EN 14501 standard: ① very little effect ② little effect ③ moderate effect ④ good effect ⑤ very good effect

Samples tested according to EN 14500 standard defining the measurements and calculation methods as specified in the standard EN 13363-2 "Solar protection devices combined with glazing calculation of solar and light transmittance - part 2: EN 13363-2 detailed method" and EN 410 "Glass in building - Determination of luminous and solar characteristics of glazing".

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INTERNAL APPLICATIONS



Roller blinds



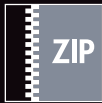
Roman shades



Decorative panels



Velums



ZIP Roller blinds



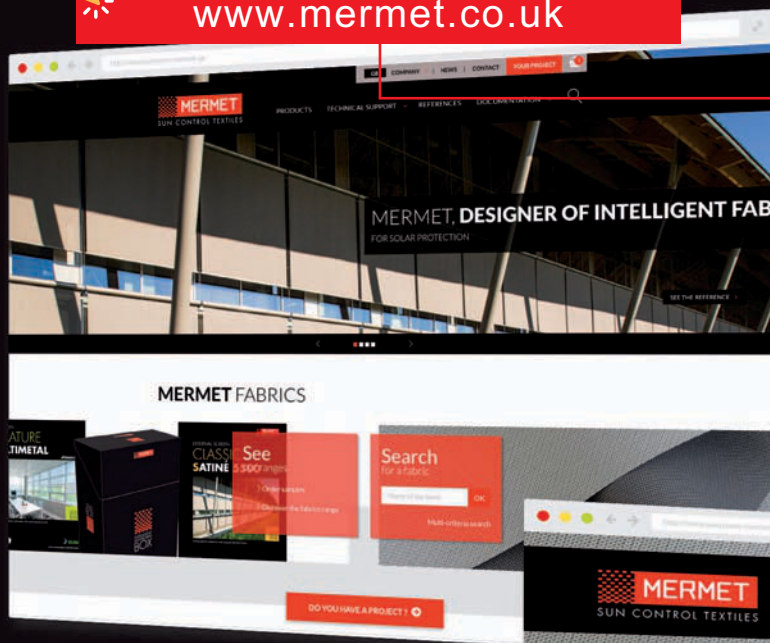
Printable



Space fitting



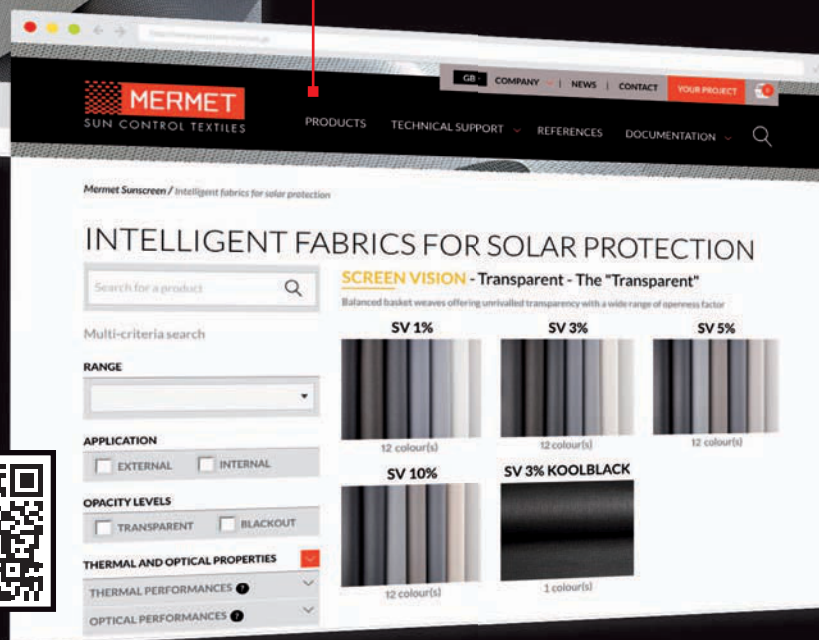
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MERMET COLLECTION offers a wide choice of fabrics for external and internal application, from transparency to total darkness, for thermal and optical comfort. To receive other brochures from the collection, contact us.



SCREEN VISION / DESIGN / THERMIC / LOW

EXTERNAL SCREEN CLAS

SCREEN NA

BLACKOUT 100 %

ACOUSTIC



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