

EXTERNAL SCREEN CLASSIC

SATINÉ 5501



COLLECTION
2018
2021

INTELLIGENT FABRICS FOR SOLAR PROTECTION



EXTERNAL AND
INTERNAL APPLICATION

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SATINÉ 5501

TIGHT FABRIC FOR EXTERNAL APPLICATION

98 %

OF LIGHT RAYS FILTERED

320 CM

LARGE-SIZED WINDOWS
OFFERING A SEAMLESS DESIGN

- **TOTAL GLARE CONTROL:** up to 98% OF LIGHT RAYS FILTERED (Tv = 2%), comfort classification 3 (good effect) according to EN 14501 standard
- **EXCELLENT HEAT PROTECTION:** up to 98% OF SOLAR RADIATION REFLECTED by external blinds (gtot = 0,02 / glazing g = 0,32 and U = 1,1), comfort classification 4 (very good effect) according to EN 14501 standard
- With **LIGHTWEIGHT AND FINE** fabric, it fits perfectly into small blind cassettes
- Perfect match with side channels systems such as ZIP
- **WEATHER-RESISTANT** and UV fading resistant
- **DIMENSIONAL STABILITY, DURABILITY** (test of 10.000 cycles, class 3 NF EN 13561), **MECHANICAL RESISTANCE:** perfect flatness even in large dimensions
- **Health & Safety:** conforms to standard requirements for buildings open to the public

TECHNICAL DATA

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Composition	42% Fibreglass - 58% PVC		
Fire, smoke classification and other official test reports	M1 (F) - NFP 92 503 B1 (DE) - DIN 4102-1 HHV: 13,2 MJ/kg (5,94 MJ/m ²)		
Health, safety	Greenguard®: Guarantee of indoor air quality (VOC)		
Openness factor	1%		
UV screen	Up to 98%		
Width	320 cm		
Weight/m ²	450 g ± 5% - ISO 2286 - 2		
Thickness	0,55 mm ± 5% - ISO 2286 - 3		
Colour Fasteness to light (Scale of 8)	7/8 - ISO 105 B02		
Mechanical resistance	Breaking	Tear	Folding
Warp	> 200 daN/5 cm	≥ 7 daN	≥ 100 daN/5 cm
Weft	> 100 daN/5 cm	≥ 4 daN	≥ 80 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		

This product's technical data are in conformity with this brochure as of the date of publication. MERMET SAS reserves the right to change the technical data; only those provided on the company's website www.sunscreen-mermet.com shall be deemed to be authentic. Where applicable, MERMET SAS also reserves the right to withdraw this product from sale should any of the technical properties or characteristics set out above prove to be inadequate or rendered impossible as a result of a change in regulations or in knowledge or understanding.

Reports available on request, please contact Mermet

Internal procedure derived from ISO 1421 standard

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WIDTH: 320 CM



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



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THERMAL AND OPTICAL FACTORS the European standard EN 14501

SATINÉ 5501 - OF 1%	Thermal factors				Optical factors	
	Fabric		Fabric + Glazing / gtot external blind		Tv	
Colours	Ts	Rs	As	C : gv = 0,59	D : gv = 0,32	
0207 White Pearl	15	59	26	0,11 ③	0,07 ④	13
0707 Pearl	10	39	51	0,08 ④	0,06 ④	9
0102 Grey White	6	32	62	0,05 ④	0,03 ④	3
0101 Grey	5	20	75	0,05 ④	0,04 ④	3
0130 Grey Charcoal	4	15	81	0,05 ④	0,03 ④	3
3030 Charcoal	2	6	92	0,04 ④	0,02 ④	2

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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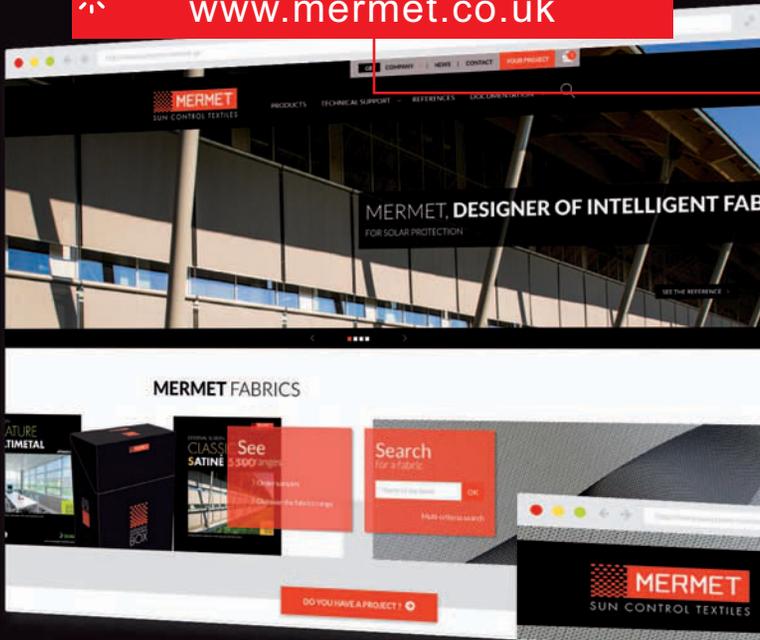


EXTERNAL AND INTERNAL APPLICATIONS

- Roller blinds
- Decorative panels
- Projection shades
- Velums
- ZIP Roller blinds
- Printable
- Stretched ceilings
- Space fitting

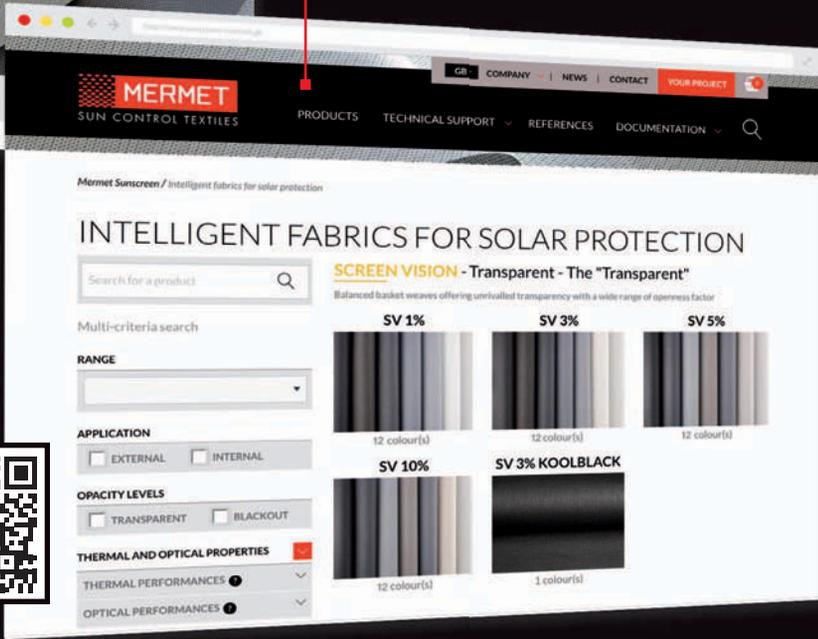


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- A library of references



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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.
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SCREEN VISION / DESIGN / THERMIC / LOW

EXTERNAL SCREEN CLAS

SCREEN NA

BLACKOUT 100 %

ACOUSTIC



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