

SCREEN DESIGN

S-SCREEN



INTELLIGENT FABRICS FOR SOLAR PROTECTION



INTERNAL
APPLICATION

S-SCREEN

FABRIC WITH A WOVEN WOOD DESIGN
AND A **NATURAL AESTHETIC**

UNIQUE AESTHETIC WITH A
DECORATIVE
DESIGN

310 CM

EXTRA WIDE WIDTH

- **EXCELLENT GLARE CONTROL:** up to **95% OF LIGHT RAYS FILTERED** ($T_v = 5\%$)
- Good **VISION TOWARD THE OUTSIDE** with **INCOMING NATURAL LIGHT** to improve the energy efficiency of buildings
- **THERMAL COMFORT:** up to 83% of solar energy eliminated ($g_{tot} = 0,17$ / glazing $g = 0,32$ and $U = 1,1$ W/m²K)
- **6 ON TREND COLOURS** available in 310 cm width
- High mechanical resistance and good dimensional stability

TECHNICAL DATA

S-SCREEN			
Composition	33,6% Fibreglass - 59,6% PVC - 6,8% Polyester		
Fire, smoke classification and other official test reports*	FR (USA) - NFPA 701 BS (GB) - 5867		
Health, safety	Greenguard® GOLD: Guarantee of indoor air quality (VOC) Antibacterial: More than 99% of bacteria destroyed - ASTM E 2180		
Openness factor	4%		
UV screen	Up to 96%		
Width	310 cm		
Weight/m ²	630 g ± 5% - ISO 2286 - 2		
Thickness	0,93 mm ± 5% - ISO 2286 - 3		
Colour Fastness to light (scale of 8)	7/8 - ISO 105 B02		
Mechanical resistance	Breaking	Tear	Folding
Warp	> 90 daN/5 cm	≥ 6 daN	≥ 20 daN/5 cm
Weft	> 230 daN/5 cm	≥ 15 daN	≥ 20 daN/5 cm
	ISO 1421	EN 1875-3	ISO 1421**
Elongation (warp and weft)	< 10% - ISO 1421		
Packaging	Rolls of 20 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

WIDTH: 310 CM

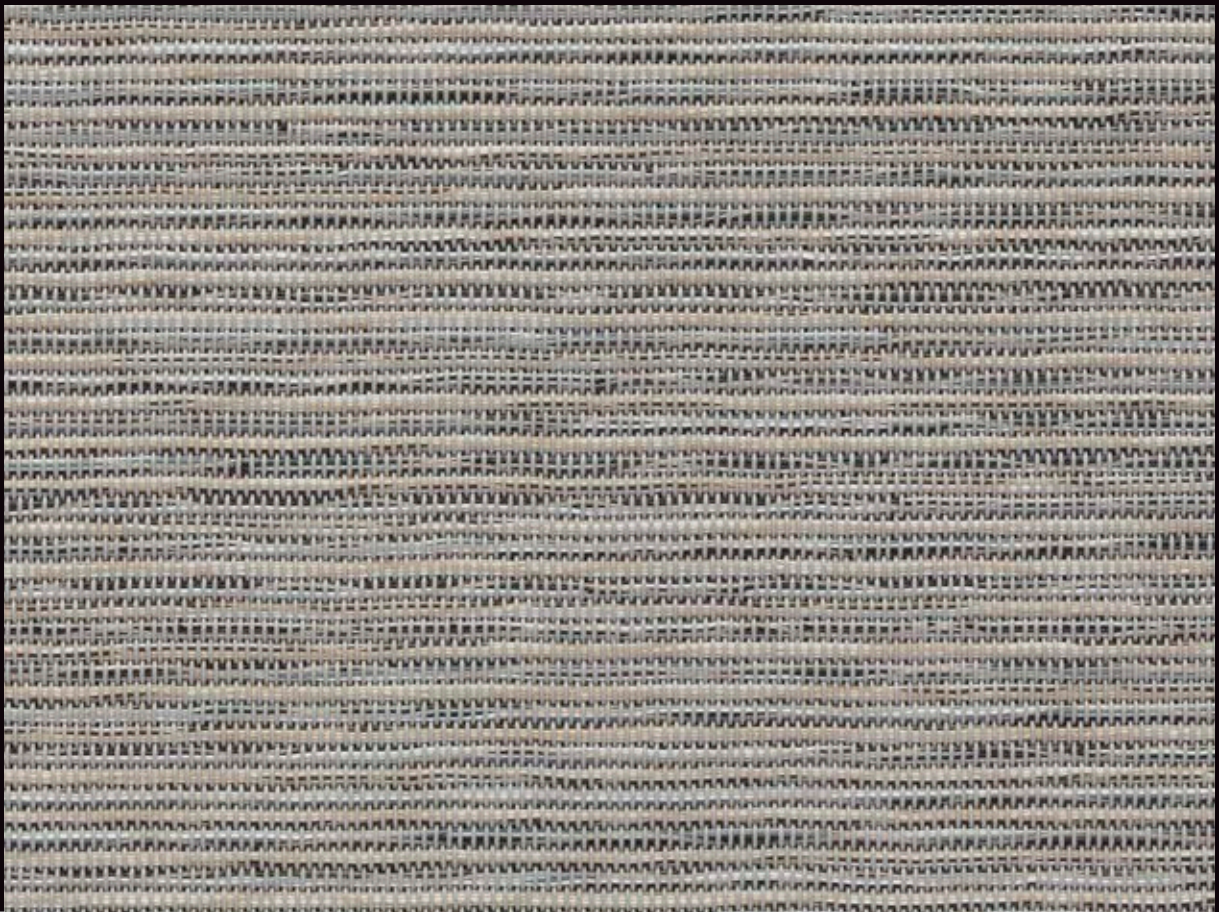


Colours may be slightly different from the actual ones

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

07C1



THERMAL AND OPTICAL FACTORS in the European standard EN 14501

S-SCREEN - OF 4%	Thermal factors					Optical factors
	Fabric			Fabric + Glazing / gtot internal blind		Tv
	Ts	Rs	As	C : gv = 0,59	D : gv = 0,32	
02D1 Porcelain	11	57	32	0,34 ②	0,17 ②	11
02D2 Marble	9	48	43	0,38 ①	0,29 ②	9
20C1 Jute	10	43	47	0,41 ①	0,22 ②	9
10C2 Cork	9	32	59	0,46 ①	0,24 ②	8
07C1 Granite	8	30	62	0,46 ①	0,25 ②	7
61P6 Sesame	5	14	81	0,52 ①	0,29 ②	5

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).

Comfort 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".

S-SCREEN

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INTERNAL APPLICATIONS



Roller blinds



Roman shades



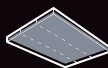
Decorative panels



Velums



Printable



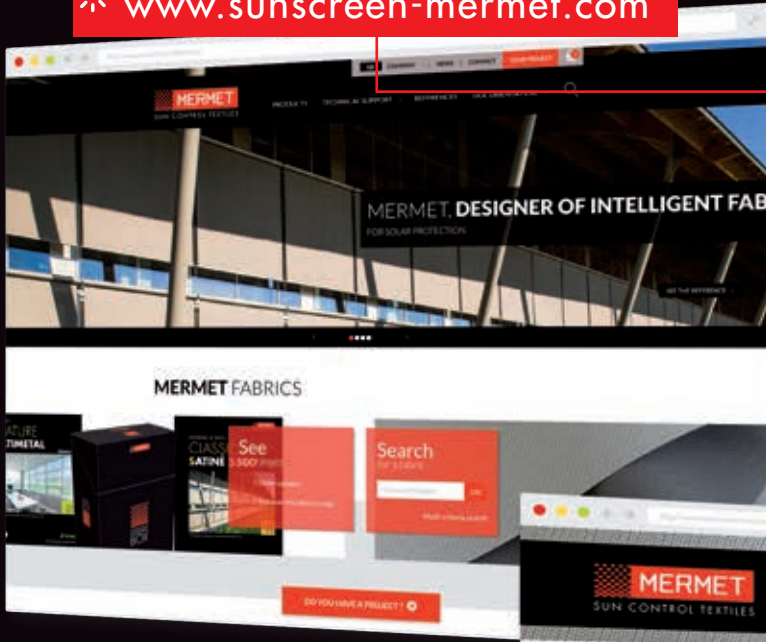
Stretched ceilings



Space fitting

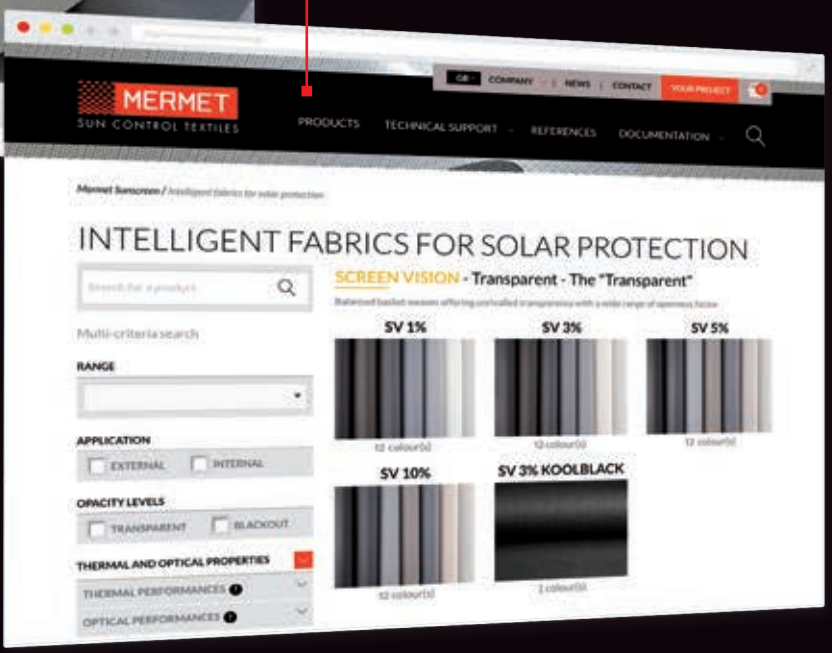


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 **MERMET COLLECTION** offers a wide choice of fabrics for external and internal application, from transparency to total darkness, for thermal and optical comfort. To receive other brochures from the collection, **contact us**.



SCREEN VISION / DESIGN / THERMIC / LOW E

EXTERNAL SCREEN CLASSIC

SCREEN NATURE

BLACKOUT 100 %

ACOUSTICS



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