

COLLECTION MERMET

SATINÉ 5500 RAL **SCREEN & FACADE HARMONY**



INTELLIGENT FABRICS FOR SOLAR PROTECTION



EXTERNAL AND
INTERNAL APPLICATION

SATINÉ 5500

PERFECT INTEGRATION INTO THE FACADES

13
RAL COLOURS

320 CM
LARGE-SIZED WINDOWS
OFFERING A SEAMLESS DESIGN

- **PERFECT HARMONY** with aluminium facade systems and blinds
- Excellent quality of **TRANSPARENCY**: clear view to the outside
- **MAXIMAL HEAT PROTECTION**: up to **96% OF SOLAR RADIATION REFLECTED** by external blinds ($g_{tot} = 0,04$ / glazing $g = 0,32$ and $U = 1,1$ W/m²K), comfort classification 4 (very good effect) according to EN 14501 standard
- Very good **GLARE CONTROL** thanks to the twill weave design which optimizes incoming natural light: up to **96% OF LIGHT RAYS FILTERED** ($T_v = 4\%$), comfort classification 3 (good effect) according to EN 14501 standard
- **13 RAL COLOURS** among the 52 colours available from the Satiné 5500 range
- 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

SATINÉ 5500			
Composition	42% Fibreglass - 58% PVC		
Fire, smoke classification and other official test reports*	M1 (F) - NFP 92 503 B1 (DE) - DIN 4102-1 BS (GB) - 476 Pt 6 & 7 Class 0 Euroclass C-s3-d0 (EU) - EN 13501-1 mounted according to EN 13823 & EN 14716 C UNO (IT) - UNI 9177	IMO - MED 2014/90/EU CLASE 1 (SP) - EN 13773 FR (US) - NFPA 701 F3 (F) - NF F 16-101 HHV: 13,2 MJ/kg (6,86 MJ/m ²)	
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%		
Widths	200 - 250 - 285 - 320 cm (depending on colours)		
Weight/m ²	520 g ± 5% - ISO 2286 - 2		
Thickness	0,75 mm ± 5% - ISO 2286 - 3		
Colour Fastness to light (scale of 8)	7/8 - ISO 105 B02 (white not graded)		
Mechanical resistance	Breaking	Tear	Folding
Warp	> 220 daN/5 cm	≥ 9 daN	≥ 100 daN/5 cm
Weft	> 200 daN/5 cm	≥ 8 daN	≥ 100 daN/5 cm
	ISO 1421	EN 1875-3	ISO 1421**
Elongation (warp and weft)	< 5% - ISO 1421		
Packaging	Rolls of 52 lm - Width 320 cm: 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

WIDTHS: 200 - 250 - 285 - 320 CM

0202 RAL 9003
NCS 0300-N

2020 RAL 1015
NCS 1010-Y20R

1010 RAL 1019
NCS 3010-Y30R

0707 RAL 7038
NCS 2002-B

0101 RAL 7037
NCS 5500-N

3030 RAL 7021
NCS 8500-N

0505 RAL 1021
NCS 0580-Y

4040 RAL 5013
NCS 7020-R50B

1111 RAL 7048
NCS 5005-Y50R

0606 RAL 7013
NCS 7010-G90Y

4949 RAL 9006
NCS 2502-B

5959 RAL 7016
NCS 7005-B20G

6060 RAL 9005
NCS 9000-N

WIDTH: 285 CM

These equivalences are given for information purpose only

Colours may be slightly different from the actual ones

6060
RAL
9005



THERMAL AND OPTICAL FACTORS in the European standard EN 14501

SATINÉ 5500 - OF 4%		Thermal factors					Optical factors
		Fabric			Fabric + Glazing / gtot external blind		Tv
Colours		Ts	Rs	As	C : gv = 0,59	D : gv = 0,32	
0202 White	RAL 9003	21	66	13	0,16 ②	0,09 ④	21
0505 Canary	RAL 1021	20	51	29	0,15 ②	0,08 ④	17
2020 Linen	RAL 1015	18	53	29	0,13 ③	0,08 ④	16
0707 Pearl	RAL 7038	14	38	48	0,11 ③	0,07 ④	13
1010 Sable	RAL 1019	13	39	48	0,10 ③	0,06 ④	10
4949 White Aluminium	RAL 9006	11	37	52	0,09 ④	0,05 ④	10
0101 Grey	RAL 7037	8	20	72	0,07 ④	0,05 ④	7
4040 Marine	RAL 5013	14	25	61	0,10 ③	0,05 ④	5
1111 Pearl Mouse Grey	RAL 7048	5	17	78	0,06 ④	0,05 ④	5
0606 Bronze	RAL 7013	5	7	88	0,06 ④	0,05 ④	5
5959 Anthracite Grey	RAL 7016	4	7	89	0,05 ④	0,04 ④	4
3030 Charcoal	RAL 7021	4	6	90	0,05 ④	0,04 ④	4
6060 Jet Black	RAL 9005	4	4	92	0,05 ④	0,04 ④	4

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

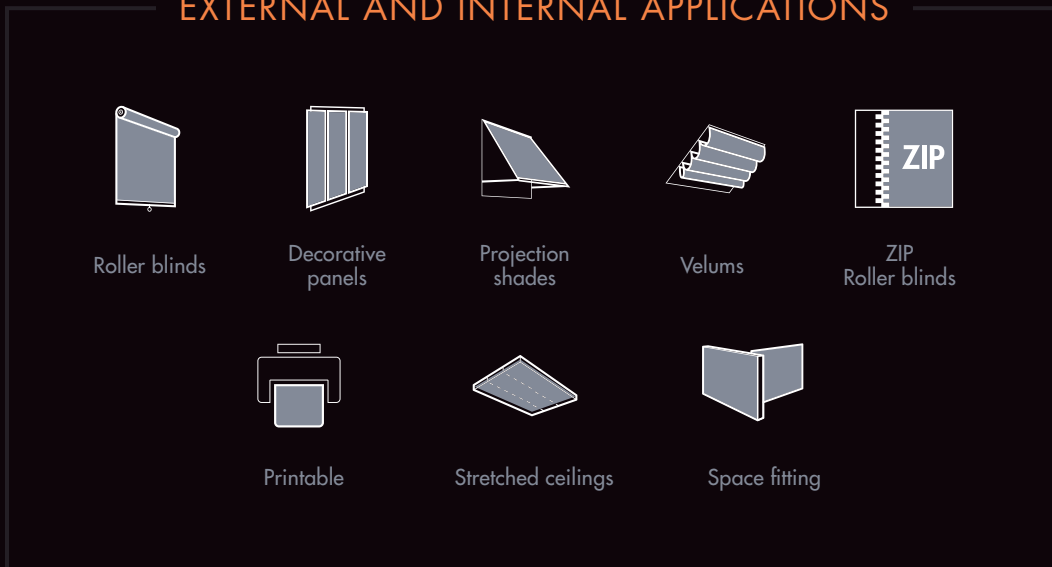
Samples tested according to EN 14500 standard defining the measurements and calculation methods as specified in the standard EN 13363-2 "Solar protection devices combined with glazing calculation of solar and light transmittance - part 2: EN 13363-2 detailed method" and EN 410 "Glass in building - Determination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

SATINÉ 5500

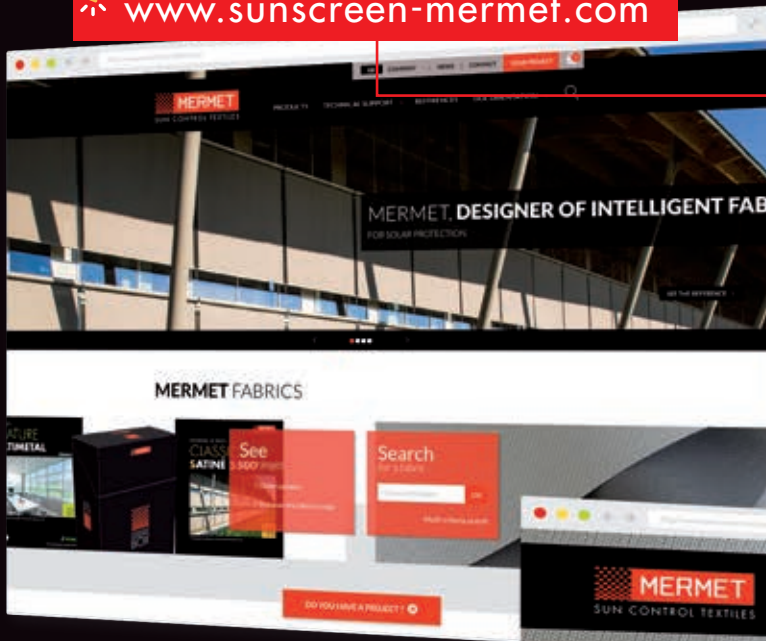
6060
RAL
9005



EXTERNAL AND INTERNAL APPLICATIONS

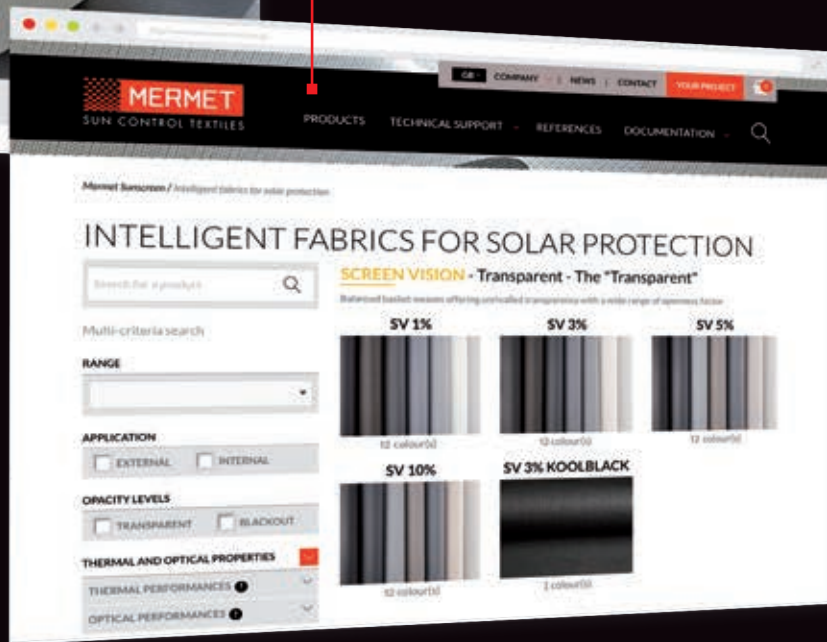


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FIND IN 3 CLICKS THE FABRIC BEST SUITED to your project

- A search engine with performances criteria
- Many documents for download
- All products information available
- A library of references



SERVICE +

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

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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