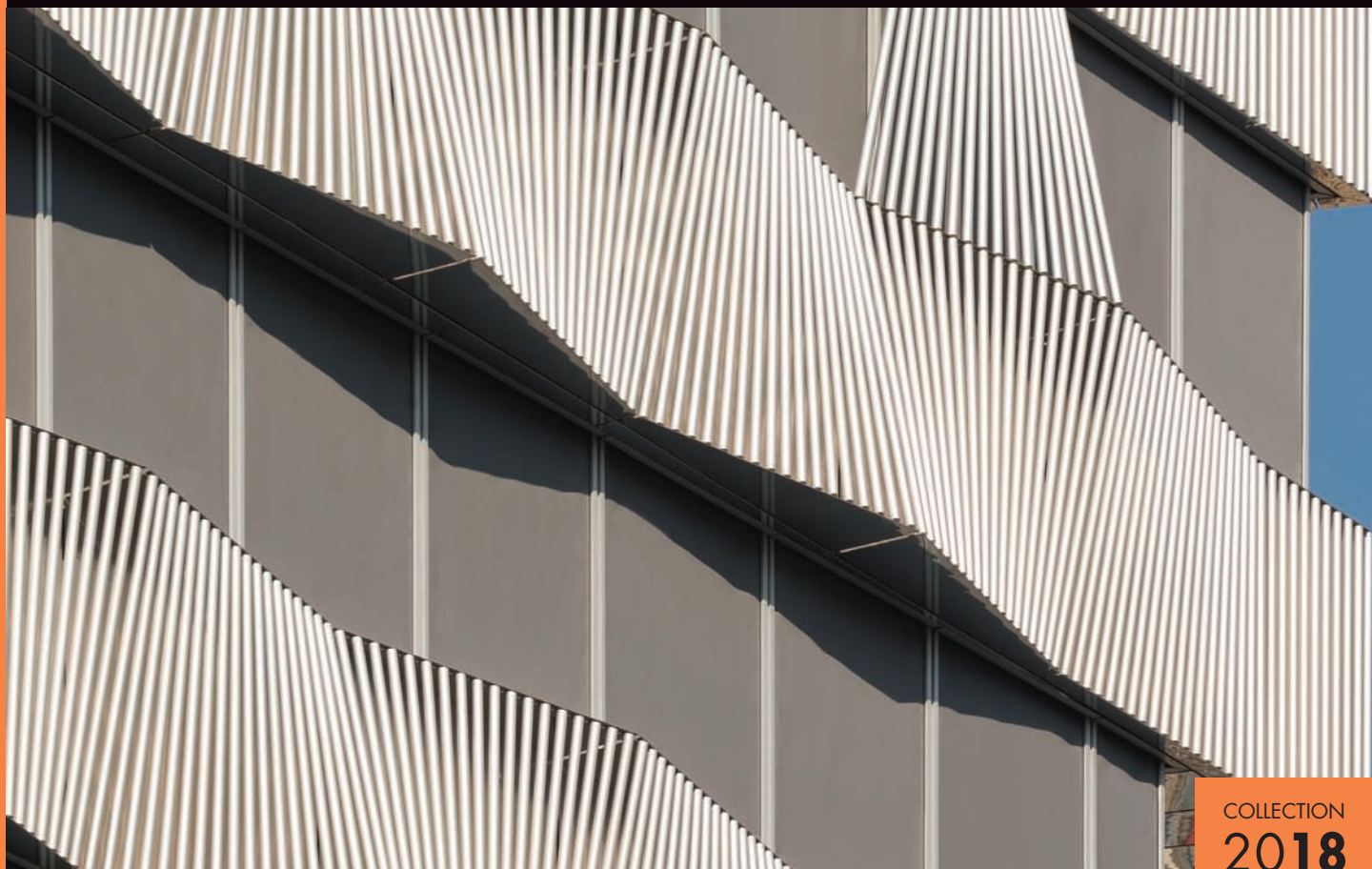


EXTERNAL SCREEN CLASSIC

# SATINÉ 5500



COLLECTION  
**2018**  
**2021**

INTELLIGENT FABRICS FOR SOLAR PROTECTION



EXTERNAL AND  
INTERNAL APPLICATION

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SATINÉ 5500

EXTERNAL SCREEN CLASSIC

# SATINÉ 5500

THE WIDEST RANGE IN THE MARKET,  
52 DOUBLE-SIDED COLOURS

4 RAL COLOURS

PERFECT INTEGRATION  
INTO THE FACADES

320 CM

LARGE-SIZED WINDOWS  
OFFERING A SEAMLESS DESIGN

- **EXCELLENT HEAT PROTECTION:** up to **96% OF SOLAR RADIATION** reflected by external blinds (gtot = 0,04 / glazing g = 0,32 and U = 1,1), 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** (Tv = 4%), comfort classification 3 (good effect) according to EN 14501 standard
- **TRANSPARENCY:** clear view to the outside
- **ECONOMICAL: 4 WIDTHS (200, 250, 285 and 320 CM)** to help reduce waste when manufacturing fabric panels
- 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* | <b>M1</b> (F) - NFP 92 503<br><b>B1</b> (DE) - DIN 4102-1<br><b>BS</b> (GB) - 476 Pt 6 & 7 Class 0<br><b>Euroclass C-s3-d0</b> (EU) - EN 13501-1 mounted according to EN 13823 & EN 14716<br><b>C UNO</b> (IT) - UNI 9177 |           | <b>IMO</b> - MED 2014/90/EU<br><b>CLASE 1</b> (SP) - EN 13773<br><b>FR</b> (US) - NFPA 701<br><b>F3</b> (F) - NF F 16-101<br><b>HHV:</b> 13,2 MJ/kg (6,86 MJ/m²) |
| Health, safety                                              | <b>Greenguard®:</b> Guarantee of indoor air quality (VOC)<br><b>Antibacterial:</b> 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/m²                                                   | 520 g ± 5% - ISO 2286 - 2                                                                                                                                                                                                 |           |                                                                                                                                                                  |
| Thickness                                                   | 0,75 mm ± 5% - ISO 2286 - 3                                                                                                                                                                                               |           |                                                                                                                                                                  |
| Colour Fasteness 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                                                                                                                                                                             |           |                                                                                                                                                                  |
| Confection                                                  | 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](http://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

5959  
RAL  
7016

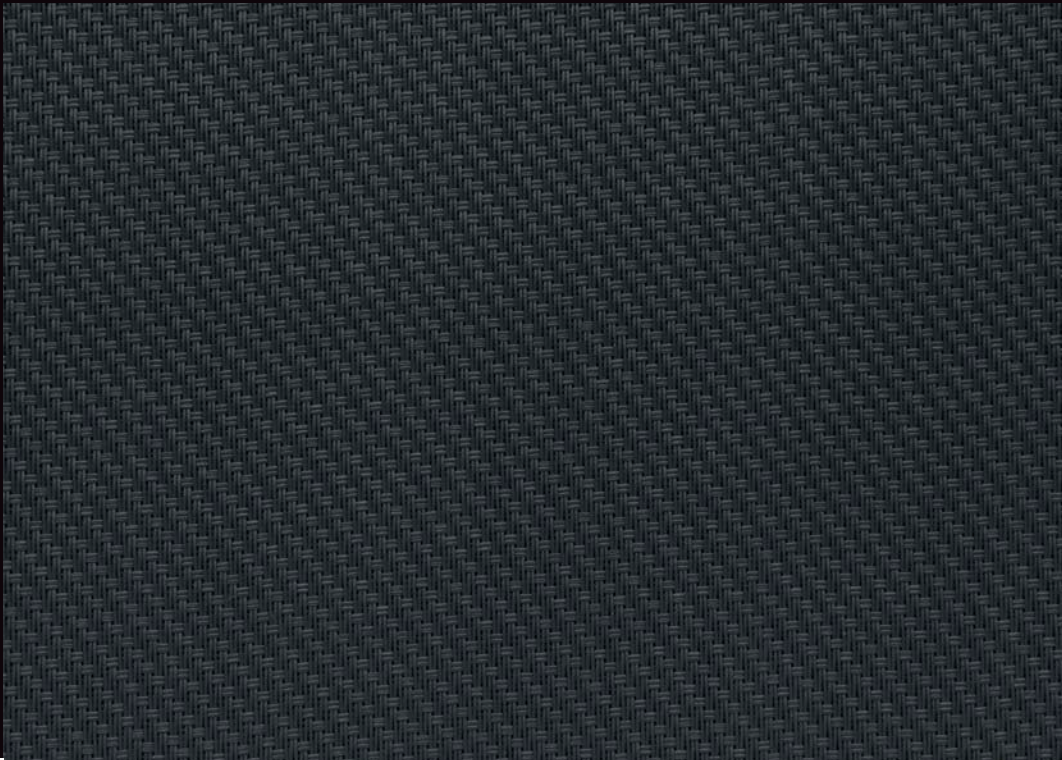


## SERVICE

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

# SATINÉ 5500

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7016



## EXTERNAL AND INTERNAL APPLICATIONS



Roller blinds



Decorative panels



Projection shades



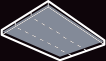
Velums



ZIP  
Roller blinds



Printable



Stretched ceilings



Space fitting



THERMAL AND OPTICAL FACTORS
in the European standard EN 14501

| SATINÉ 5500 - OF 4%                | Thermal factors |    |    |                                        |               | Optical factors |
|------------------------------------|-----------------|----|----|----------------------------------------|---------------|-----------------|
| Colours<br>(dark side factors)     | Fabric          |    |    | Fabric + Glazing / gtot external blind |               | Tv              |
|                                    | Ts              | Rs | As | C : gv = 0,59                          | D : gv = 0,32 |                 |
| 0202 White                         | 21              | 66 | 13 | 0,16 2                                 | 0,09 4        | 21              |
| 0205 White Canary                  | 19              | 58 | 23 | 0,14 3                                 | 0,08 4        | 18              |
| 2002 Linen White                   | 20              | 56 | 24 | 0,14 3                                 | 0,09 4        | 18              |
| M36 020207 White White Pearl       | 19              | 57 | 24 | 0,14 3                                 | 0,08 4        | 18              |
| 0505 Canary                        | 20              | 51 | 29 | 0,15 2                                 | 0,08 4        | 17              |
| 2020 Linen                         | 18              | 53 | 29 | 0,13 3                                 | 0,08 4        | 16              |
| 0207 White Pearl                   | 17              | 50 | 33 | 0,12 3                                 | 0,08 4        | 16              |
| 0702 Pearl White                   | 17              | 45 | 38 | 0,12 3                                 | 0,08 4        | 16              |
| 0210 White Sable                   | 17              | 50 | 33 | 0,12 3                                 | 0,08 4        | 15              |
| 0705 Pearl Canary                  | 16              | 40 | 44 | 0,12 3                                 | 0,08 4        | 15              |
| 0720 Pearl Linen                   | 17              | 41 | 42 | 0,12 3                                 | 0,08 4        | 15              |
| M37 200710 Linen Pearl Sable       | 16              | 45 | 39 | 0,12 3                                 | 0,07 4        | 14              |
| M45 070210 Pearl White Sable       | 15              | 41 | 44 | 0,11 3                                 | 0,07 4        | 14              |
| 0707 Pearl                         | 14              | 38 | 48 | 0,11 3                                 | 0,07 4        | 13              |
| 1002 Sable White                   | 16              | 46 | 38 | 0,11 3                                 | 0,07 4        | 13              |
| M02 020310 White Turquoise Sable   | 17              | 49 | 34 | 0,12 3                                 | 0,08 4        | 13              |
| M64 100520 Sable Canary Linen      | 16              | 43 | 41 | 0,11 3                                 | 0,07 4        | 12              |
| 0710 Pearl Sable                   | 14              | 38 | 48 | 0,10 3                                 | 0,07 4        | 12              |
| M65 100508 Sable Canary Orange     | 15              | 42 | 43 | 0,11 3                                 | 0,07 4        | 11              |
| 0750 Pearl Green                   | 14              | 33 | 53 | 0,10 3                                 | 0,06 4        | 11              |
| 1010 Sable                         | 13              | 39 | 48 | 0,10 3                                 | 0,06 4        | 10              |
| 4949 RAL 9006 White Aluminium      | 11              | 37 | 52 | 0,09 4                                 | 0,05 4        | 10              |
| 0201 White Grey                    | 12              | 37 | 51 | 0,09 4                                 | 0,06 4        | 10              |
| 0703 Pearl Turquoise               | 14              | 38 | 48 | 0,10 3                                 | 0,06 4        | 9               |
| 2001 Linen Grey                    | 12              | 32 | 56 | 0,09 4                                 | 0,06 4        | 9               |
| 0701 Pearl Grey                    | 11              | 27 | 62 | 0,08 4                                 | 0,06 4        | 9               |
| M31 010207 Grey White Pearl        | 10              | 28 | 62 | 0,08 4                                 | 0,06 4        | 8               |
| 1001 Sable Grey                    | 10              | 28 | 62 | 0,08 4                                 | 0,06 4        | 8               |
| 0740 Pearl Marine                  | 13              | 28 | 59 | 0,10 3                                 | 0,06 4        | 8               |
| 0706 Pearl Bronze                  | 8               | 18 | 74 | 0,07 4                                 | 0,05 4        | 8               |
| 0909 Mandarin                      | 18              | 44 | 38 | 0,13 3                                 | 0,07 4        | 7               |
| 0102 Grey White                    | 10              | 31 | 59 | 0,08 4                                 | 0,05 4        | 7               |
| 0105 Grey Canary                   | 9               | 28 | 63 | 0,07 4                                 | 0,05 4        | 7               |
| 0108 Grey Orange                   | 11              | 26 | 63 | 0,08 4                                 | 0,06 4        | 7               |
| 0110 Grey Sable                    | 10              | 25 | 65 | 0,07 4                                 | 0,05 4        | 7               |
| 0101 Grey                          | 8               | 20 | 72 | 0,07 4                                 | 0,05 4        | 7               |
| 1006 Sable Bronze                  | 8               | 18 | 74 | 0,07 4                                 | 0,05 4        | 7               |
| 0103 Grey Turquoise                | 9               | 26 | 65 | 0,07 4                                 | 0,05 4        | 6               |
| 0150 Grey Green                    | 9               | 23 | 68 | 0,07 4                                 | 0,05 4        | 6               |
| M01 010330 Grey Turquoise Charcoal | 8               | 20 | 72 | 0,07 4                                 | 0,05 4        | 6               |
| M38 300120 Charcoal Grey Linen     | 6               | 13 | 81 | 0,06 4                                 | 0,05 4        | 6               |
| 0109 Grey Mandarin                 | 9               | 26 | 65 | 0,07 4                                 | 0,05 4        | 5               |
| 4040 Marine                        | 14              | 25 | 61 | 0,10 3                                 | 0,05 4        | 5               |
| 0140 Grey Marine                   | 8               | 22 | 70 | 0,07 4                                 | 0,05 4        | 5               |
| 1111 RAL 7048 Pearl Mouse Grey     | 5               | 17 | 78 | 0,06 4                                 | 0,05 4        | 5               |
| 3001 Charcoal Grey                 | 5               | 10 | 85 | 0,06 4                                 | 0,04 4        | 5               |
| 0130 Grey Charcoal                 | 5               | 12 | 83 | 0,06 4                                 | 0,05 4        | 5               |
| 0606 Bronze                        | 5               | 7  | 88 | 0,06 4                                 | 0,05 4        | 5               |
| 3006 Charcoal Bronze               | 4               | 7  | 89 | 0,05 4                                 | 0,04 4        | 4               |
| 5959 RAL 7016 Anthracite Grey      | 4               | 7  | 89 | 0,05 4                                 | 0,04 4        | 4               |
| 3030 Charcoal                      | 4               | 6  | 90 | 0,05 4                                 | 0,04 4        | 4               |
| 6060 RAL 9005 Jet Black            | 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).  
Classification according to EN 14501 standard: very little effect    little effect    moderate effect    good effect    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".

WIDTHS: 200 - 250 - 285 - 320 CM

2002

2020

M37

0720

1002

0210

1010

0710

0110

1001

1006

3006

3030



0702

0207

0707

0102

0201

M31

2001

0701

0101

0706

M38

3001

0130



Only available in 285 cm

M36



0150



0750



M02



0703



0103



M01



0740



0140



4040



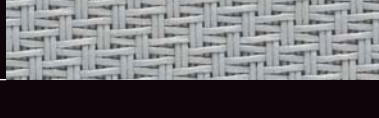
0606



1111  
RAL 7048



4949  
RAL 9006



0202



M45



M64



0205



0705



0105



M65



0108



0109



0909



0505



6060  
RAL 9005

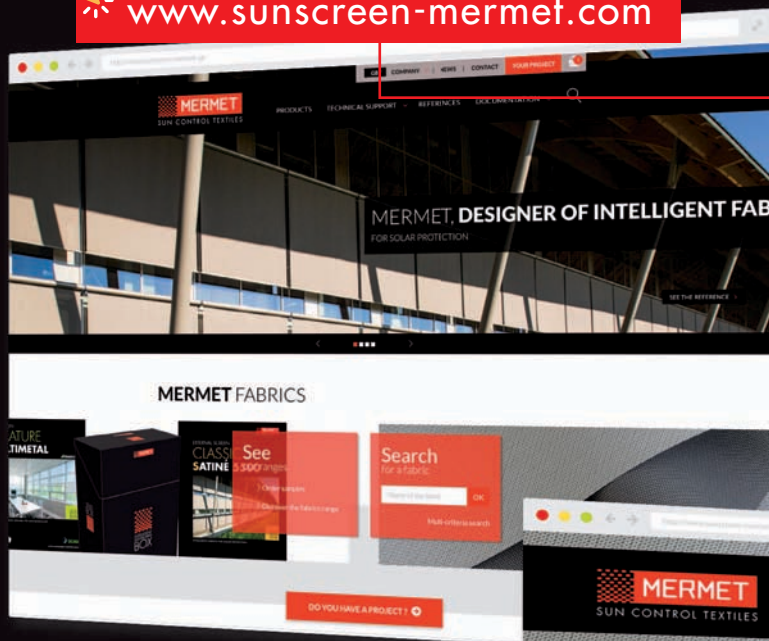


5959  
RAL 7016



Only available in 285 cm

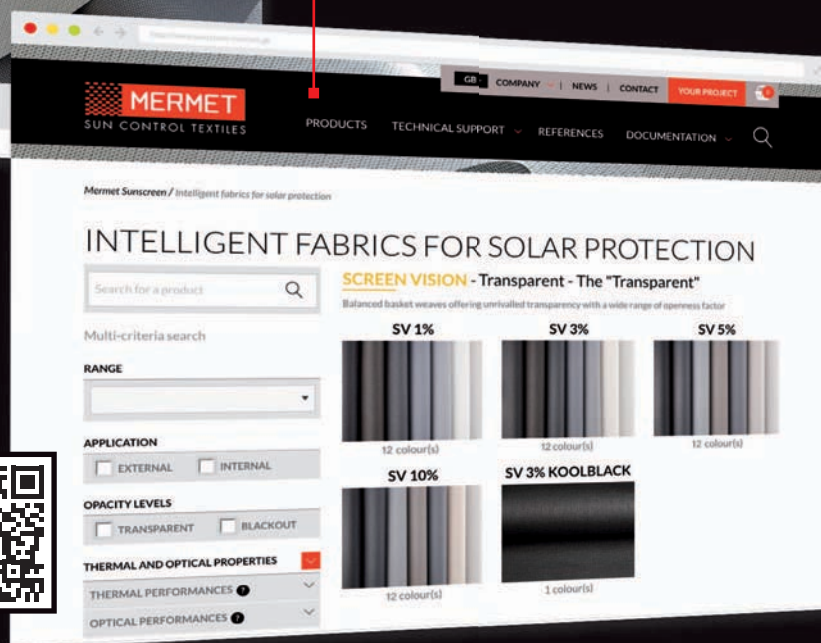
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SCREEN VISION / DESIGN / THERMIC / LOW E

EXTERNAL SCREEN CLASSIC

SCREEN NATURE

BLACKOUT 100 %

ACOUSTICS



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