

SCREEN
VISION
SV 5% - 10%



COLLECTION
2015
2018

INTELLIGENT FABRICS FOR SOLAR PROTECTION



Widths: Up to 320 cm

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VISION

SV 5% - 10%

OPEN BASKET WEAVE DESIGN FOR **OPTIMUM TRANSPARENCY AND CONTROL OF NATURAL LIGHT**

320 cm

EXTRA
WIDTH

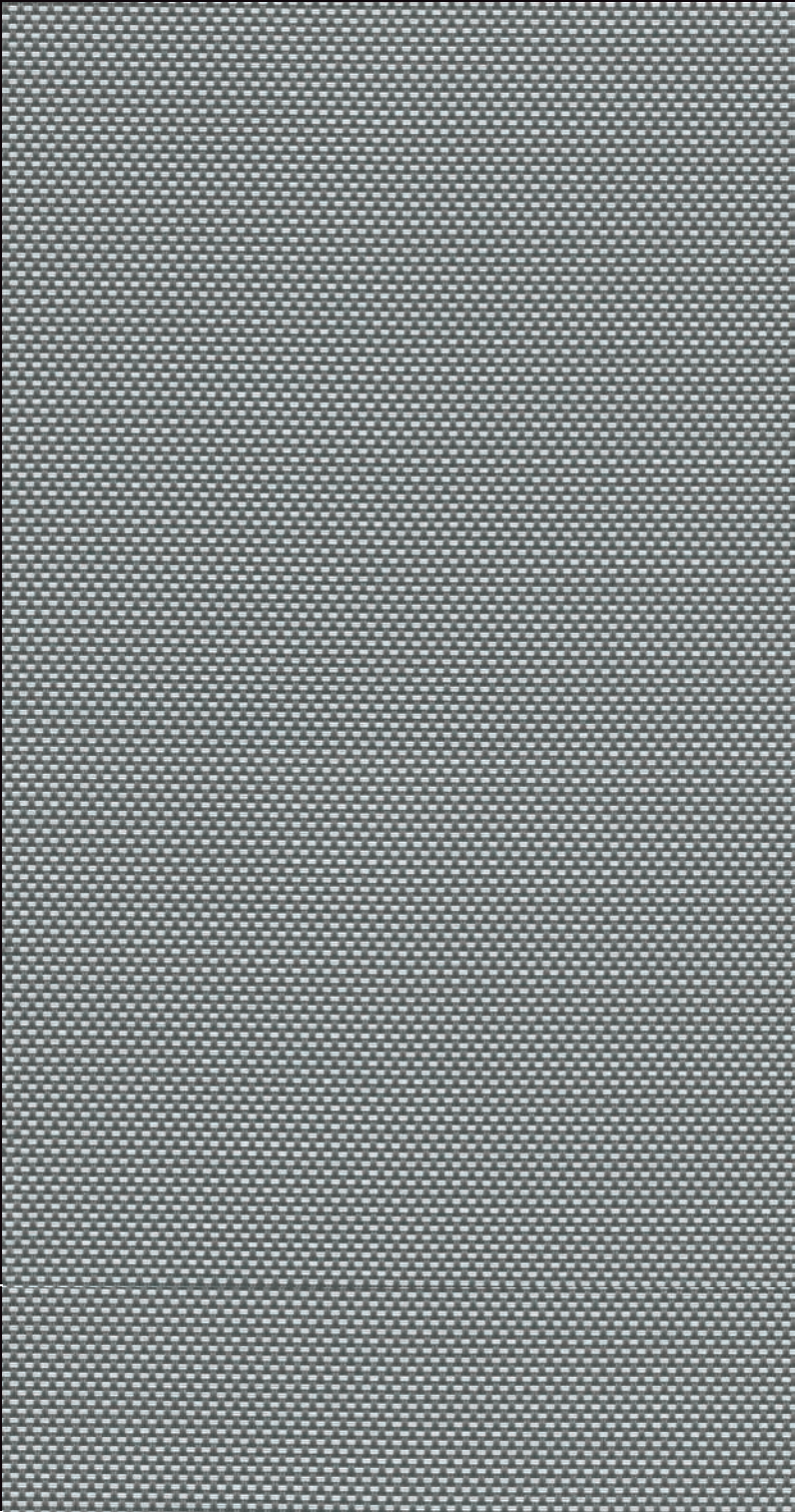
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OPENNESS
FACTORS 5% and 10%

- Maximum **TRANSPARENCY**: Excellent vision to the outside with **OPTIMAL CONTROL OF INCOMING NATURAL LIGHT**. Helps to improve the **ENERGY EFFICIENCY** of buildings
- **GOOD GLARE CONTROL**: Up to **93% OF LIGHT RAYS FILTERED** ($T_v = 7\%$)
- **14 COLOURS**
- 8 colours are available in **320 cm** width
- **EXTRA WIDE WIDTH**: 320 cm for large windows to create a seamless aesthetic
- **ECONOMICAL**: 3 width sizes (200, 250 and 320 cm) to reduce waste in manufacturing fabric panels
- Coordinated range with a **VARIETY OF OPENNESS FACTORS** (SV 1%, SV 3%, SV 5% and SV 10%) to **OPTIMIZE SOLAR PROTECTION** in all applications, maintaining a **CONSISTENT DESIGN AESTHETIC**
- Excellent **MECHANICAL RESISTANCE** and **DIMENSIONAL STABILITY** for extra-large roller blinds
- **EXCELLENT DURABILITY**: Mechanical strength test of 10.000 cycles (class 3 NF EN 13120)
- Health & safety: Conforms to standard requirements for buildings open to the public
- Excellent printing medium for custom designs

SV 5%
0102

SV 10%
0102



TECHNICAL DATA

	SV 5%			SV 10%		
Composition	36% Fibreglass - 64% PVC			36% Fibreglass - 64% 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 BS (GB) - 5867 Euroclass C-s3-d0 (EU) - EN 13501-1 mounted according to EN 13823 & EN 14716			M1 (F) - NFP 92 503 B1 (DE) - DIN 4102-1 BS (GB) - 476 Pt 6 & 7 Class 0 BS (GB) - 5867 Euroclass C-s3-d0 (EU) - EN 13501-1 mounted according to EN 13823 & EN 14716		
Health, safety	Oeko-Tex Standard 100 class IV: No chemicals harmful to health and safety of users Greenguard®: Guarantee of indoor air quality (VOC) Antibacterial: More than 99% of bacteria destroyed - ASTM E 21 80			Oeko-Tex Standard 100 class IV: No chemicals harmful to health and safety of users Greenguard®: Guarantee of indoor air quality (VOC) Antibacterial: More than 99% of bacteria destroyed - ASTM E 21 80		
Openness factor	5%			10%		
UV screen	Up to 94%			Up to 92%		
Widths	200 - 250 - 320 cm (depending on colours)			200 - 250 - 320 cm (depending on colours)		
Weight/m²	375 g ± 5% - ISO 2286 - 2			340 g ± 5% - ISO 2286 - 2		
Thickness	0,42 mm ± 5% - ISO 2286 - 3			0,42 mm ± 5% - ISO 2286 - 3		
Mechanical resistance	Breaking	Tear	Folding	Breaking	Tear	Folding
Warp	> 170 daN/5 cm	≥ 5 daN	≥ 50 daN/5 cm	> 170 daN/5 cm	≥ 5 daN	≥ 50 daN/5 cm
Weft	> 150 daN/5 cm	≥ 4 daN	≥ 50 daN/5 cm	> 140 daN/5 cm	≥ 4 daN	≥ 50 daN/5 cm
	ISO 1421	EN 1875-3	ISO 1421**	ISO 1421	EN 1875-3	ISO 1421**
Elongation (warp and weft)	< 5% - ISO 1421			< 5% - ISO 1421		
Colour Fastness to light (scale of 8)	7/8 - ISO 105 B02 (white not graded)			7/8 - ISO 105 B02 (white not graded)		
Packaging	Rolls of 33 lm			Rolls of 33 lm		
Making up	Advice note on request			Advice note on request		

These 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 these products from sale should any of the technical properties or characteristics set out opposite 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

THERMAL AND OPTICAL FACTORS in the European standard EN 14501

Colours	Thermal factors					Optical factors				
	Fabric			Fabric + Glazing		Tv	Visual comfort classification (EN 14501 standard)			
	Ts	Rs	As	gtot internal blind			Daylight utilisation	Glare control	Night privacy	Outward visibility
				C : gv = 0,59	D : gv = 0,32					
SV 5% - OF 5%										
0202 White	25	67	8	0,35 ❶	0,25 ❷	24	2	0	1	1
2022 Linen Stone	28	49	23	0,41 ❶	0,27 ❷	24	2	0	1	1
0220 White Linen	25	60	15	0,38 ❶	0,26 ❷	22	2	0	1	1
2020 Linen	25	51	24	0,41 ❶	0,27 ❷	21	2	0	1	2
0207 White Pearl	20	52	28	0,40 ❶	0,26 ❷	18	2	0	1	2
0720 Pearl Linen	21	41	38	0,44 ❶	0,27 ❷	18	2	0	1	2
0707 Pearl	19	35	46	0,46 ❶	0,28 ❷	16	2	0	1	2
0210 White Sable	19	52	29	0,40 ❶	0,26 ❷	15	2	0	1	2
0102 Grey White	14	34	52	0,46 ❶	0,28 ❷	10	1	0	1	2
0110 Grey Sable	13	24	63	0,49 ❶	0,29 ❷	9	1	1	1	3
0101 Grey	13	19	68	0,51 ❷	0,29 ❷	9	1	1	1	3
3001 Charcoal Grey	8	10	82	0,54 ❷	0,30 ❷	8	1	1	1	3
3006 Charcoal Bronze	7	6	87	0,54 ❷	0,30 ❷	7	1	1	1	3
3030 Charcoal	7	5	88	0,54 ❷	0,30 ❷	7	1	1	1	3
SV 10% - OF 10%										
0202 White	29	63	8	0,37 ❶	0,25 ❷	29	2	0	0	2
2022 Linen Stone	31	48	21	0,42 ❶	0,27 ❷	28	2	0	0	2
0220 White Linen	29	58	13	0,39 ❶	0,26 ❷	26	2	0	1	1
2020 Linen	29	49	22	0,41 ❶	0,27 ❷	25	2	0	1	2
0207 White Pearl	25	53	22	0,40 ❶	0,26 ❷	23	2	0	1	2
0720 Pearl Linen	25	42	33	0,43 ❶	0,27 ❷	22	2	0	1	2
0210 White Sable	22	51	27	0,41 ❶	0,26 ❷	19	2	0	1	2
0707 Pearl	21	34	45	0,46 ❶	0,28 ❷	18	2	0	1	2
0102 Grey White	18	33	49	0,46 ❶	0,28 ❷	14	2	0	1	2
0110 Grey Sable	16	24	60	0,49 ❶	0,29 ❷	12	1	0	1	3
0101 Grey	15	19	66	0,51 ❷	0,29 ❷	11	1	1	1	3
3030 Charcoal	11	5	84	0,53 ❷	0,30 ❷	11	1	1	1	3
3001 Charcoal Grey	10	10	80	0,54 ❷	0,30 ❷	10	1	1	1	3
3006 Charcoal Bronze	10	6	84	0,54 ❷	0,30 ❷	9	1	1	1	3

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).

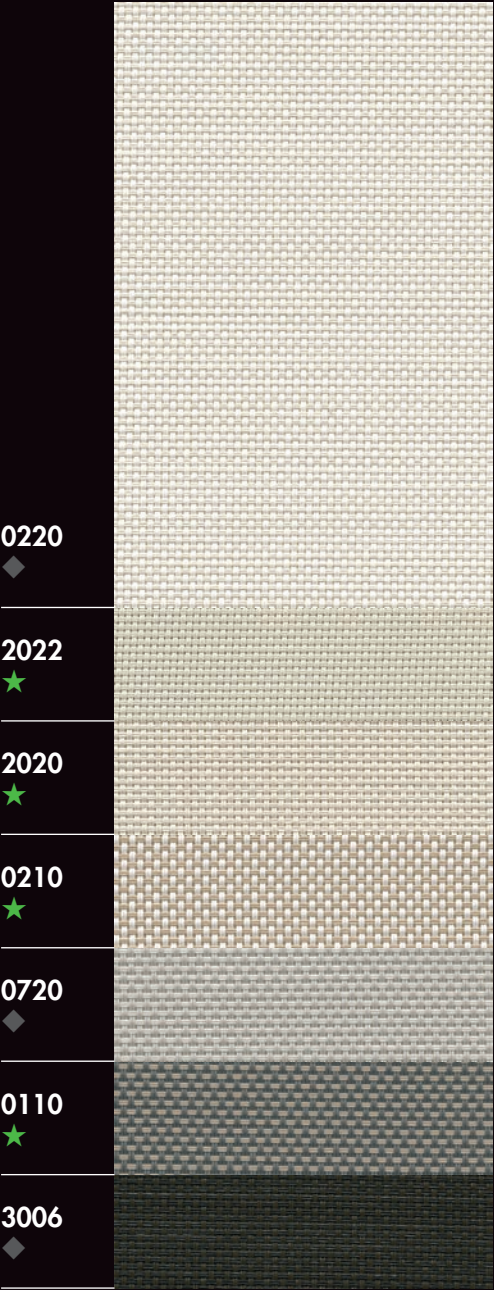
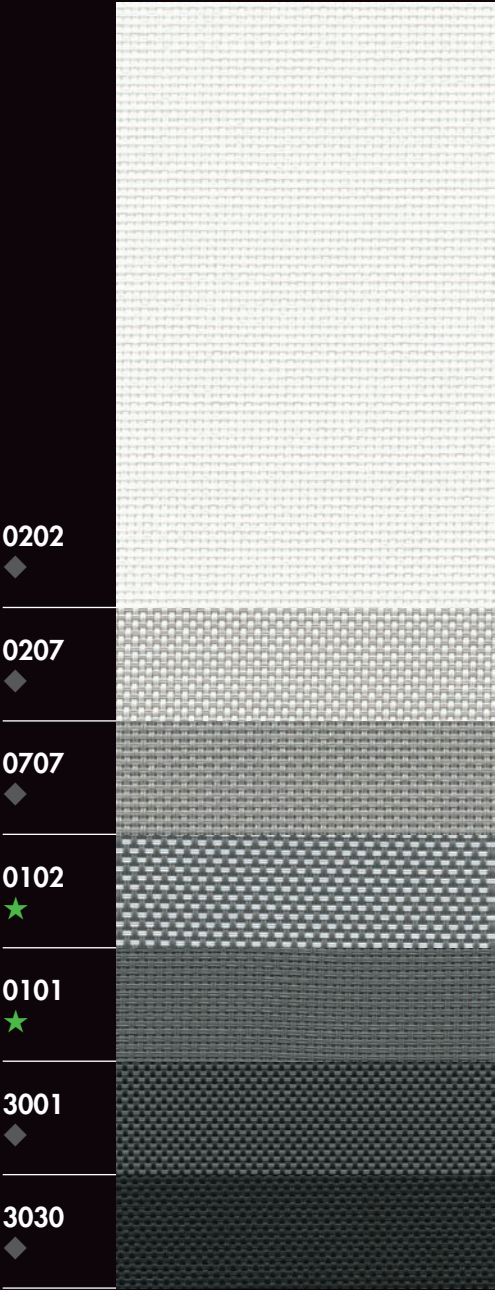
Samples tested according to EN 14500 standard defining the measurements and calculation methods as specified in the standard EN 13363-1 “Solar protection devices combined with glazing calculation of solar and light transmittance - Part 1: Simplified method” and EN 410 “Glass in building - Determination of luminous and solar characteristics of glazing”.

Comfort classification according to EN 14501 standard:

- ① very little effect
- ① little effect
- ② moderate effect
- ③ good effect
- ④ very good effect

Available on request:
- Spectral values
- Calculation of solar factor gtot of our fabrics with the glazings of the project

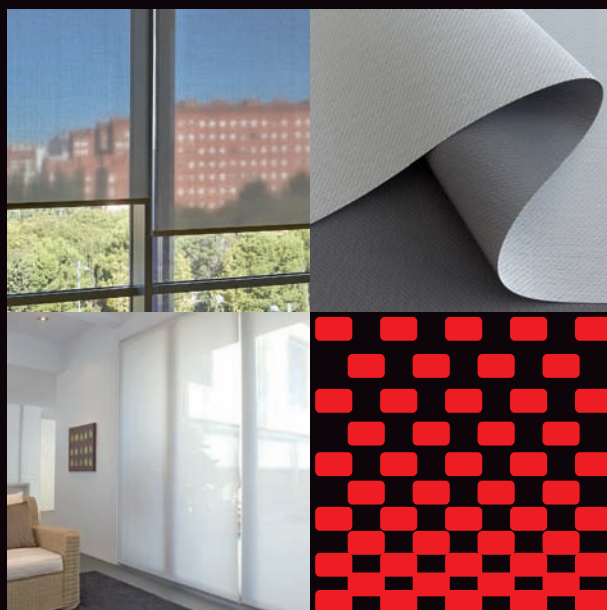
SV 5%



★ 2 widths: 200, 250 cm

◆ 3 widths : 200, 250, 320 cm

Colours may be slightly different from the actual ones



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