

SCREEN DESIGN

NATURA™

Tissu de fils de verre enduits



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SCREEN DESIGN

COLLECTION
2018
2021

INTELLIGENT FABRICS FOR SOLAR PROTECTION



INTERNAL
APPLICATION

FABRIC WITH A NATURAL LOOK

UNIQUE AESTHETIC WITH A

DECORATIVE DESIGN

TRANSPARENCY & NATURAL LIGHT

- Special decorative fabric with a **NATURAL DAPPLED LOOK** created by the dual tone yarn
- Good **GLARE CONTROL**: up to **95% OF LIGHT RAYS FILTERED** ($T_v = 5\%$)
- **TRANSPARENCY** and incoming of **NATURAL LIGHT** to improve the energy efficiency of buildings
- **THERMAL COMFORT**: up to 84% of solar energy eliminated ($g_{tot} = 0,16$ / glazing $g = 0,32$ and $U = 1,1$)
- **7 ON TREND COLOURS** available in 250 cm width
- **DIMENSIONAL STABILITY, DURABILITY** (test of 10.000 cycles, class 3 NF EN 13120), **MECHANICAL RESISTANCE**: perfect flatness even in large dimensions

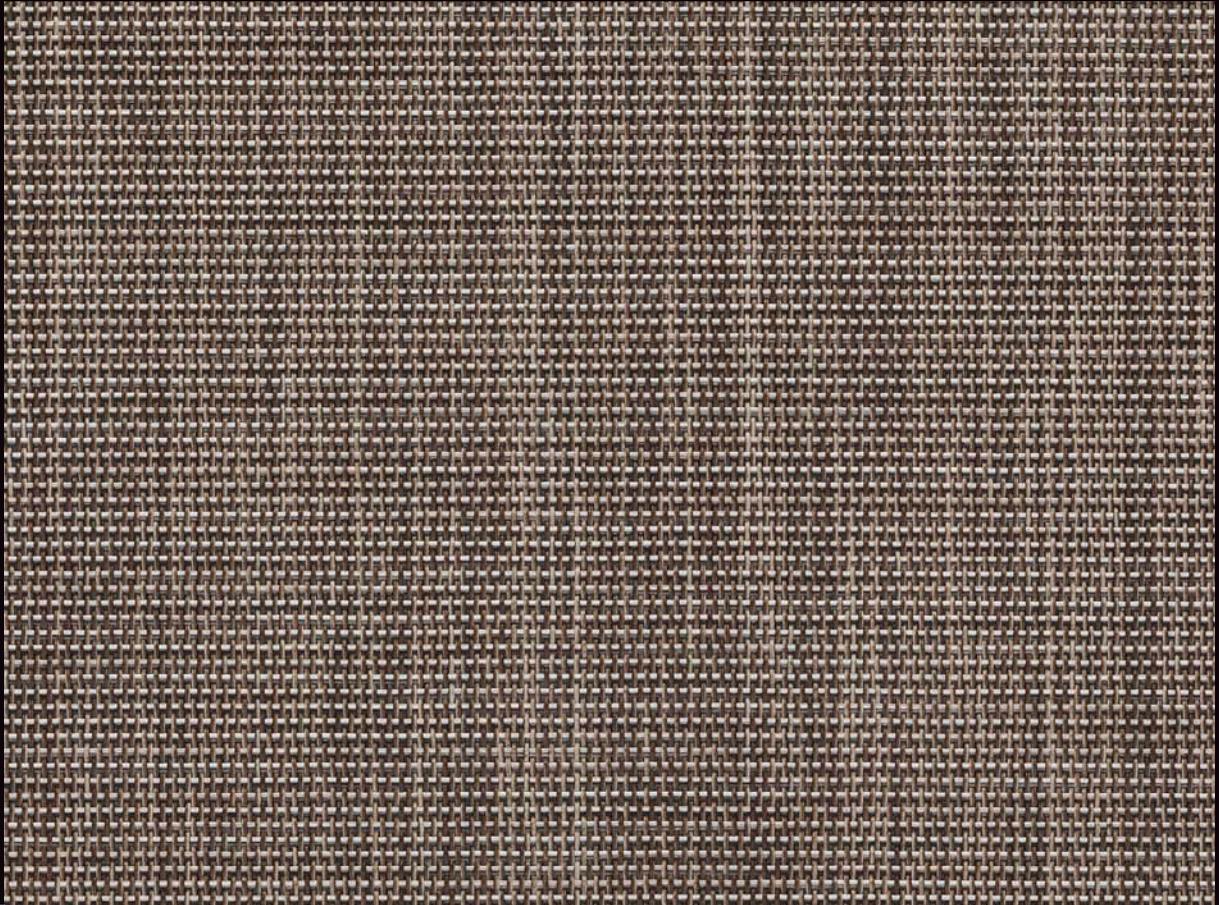
TECHNICAL DATA

NATURA™ Tissu de fils de verre enduits			
Composition	36% Fibreglass - 64% PVC		
Fire, smoke classification and other official test reports*	M2 (F) - NFP 92 503 FR (USA) - NFPA 701 BS (GB) - 5867		
Health, safety	Greenguard®: Guarantee of indoor air quality (VOC) Antibacterial: More than 99% of bacteria destroyed - ASTM E 2180		
Openness factor	5%		
UV screen	Up to 94%		
Width	250 cm		
Weight/m ²	380 g ± 5% - ISO 2286 - 2		
Thickness	0,52 mm ± 5% - ISO 2286 - 3		
Colour Fastness to light (scale of 8)	7/8 - ISO 105 B02		
Mechanical resistance	Breaking	Tear	Folding
Warp	> 140 daN/5 cm	≥ 5 daN	≥ 70 daN/5 cm
Weft	> 160 daN/5 cm	≥ 4 daN	≥ 70 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



D249

THERMAL AND OPTICAL FACTORS in the European standard EN 14501

NATURA™ - OF 5% <i>Tissu de fils de verre enduits</i>	Thermal factors					Optical factors
	Fabric			Fabric + Glazing / gtot internal blind		Tv
Colours	Ts	Rs	As	C : gv = 0,59	D : gv = 0,32	
D012 Parchment	16	61	23	0,32 ②	0,16 ②	13
D112 Sahara	14	51	35	0,37 ①	0,19 ②	11
D137 River Rock	9	33	58	0,45 ①	0,25 ②	8
D212 Tumbleweed	9	27	64	0,47 ①	0,26 ②	8
D249 Flagstone	9	21	70	0,50 ①	0,28 ②	8
D226 Harvest	8	14	78	0,53 ①	0,29 ②	8
D237 Hazelnut	7	13	80	0,53 ①	0,29 ②	7

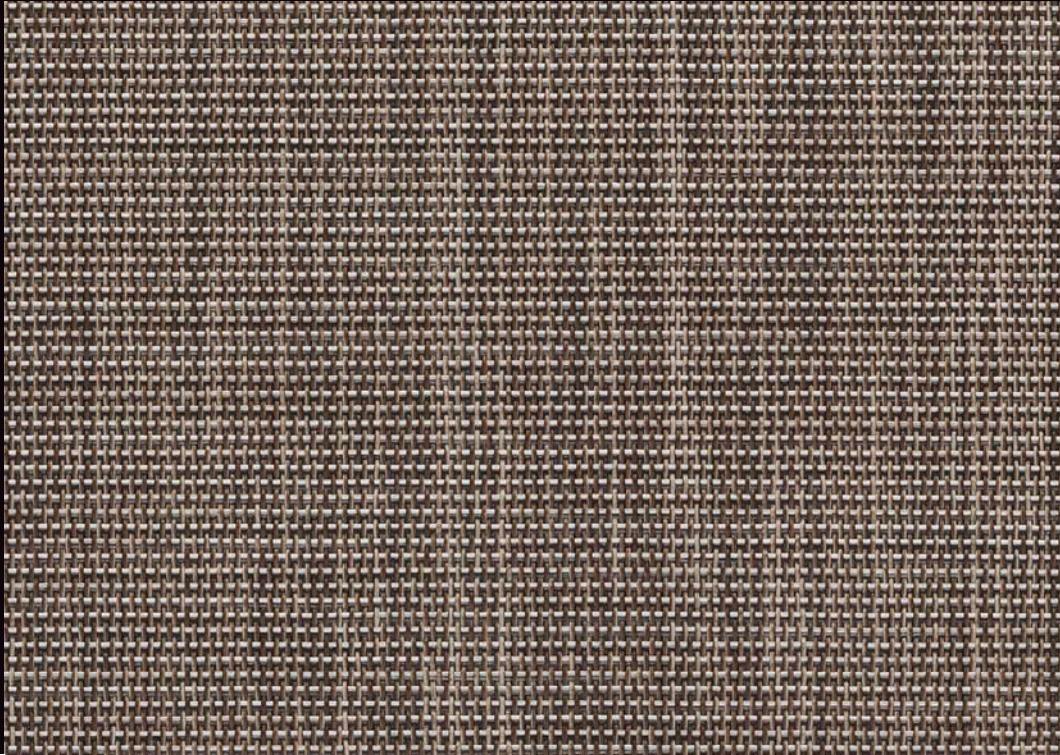
gv = 0,59: Solar factor of standard glazing (C), low-emission 4/16/4 double glazing filled with Argon (U value thermal transmittance = 1,2 W/m²K).

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).

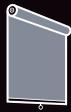
Classification according to EN 14501 standard: ① very little effect ② little effect ③ moderate effect ④ good effect ⑤ very good effect

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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INTERNAL APPLICATIONS



Roller blinds



Roman shades



Decorative panels



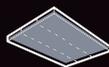
Velums



ZIP Roller blinds



Printable



Stretched ceilings



Space fitting



WIDTH: 250 CM

D012

D112

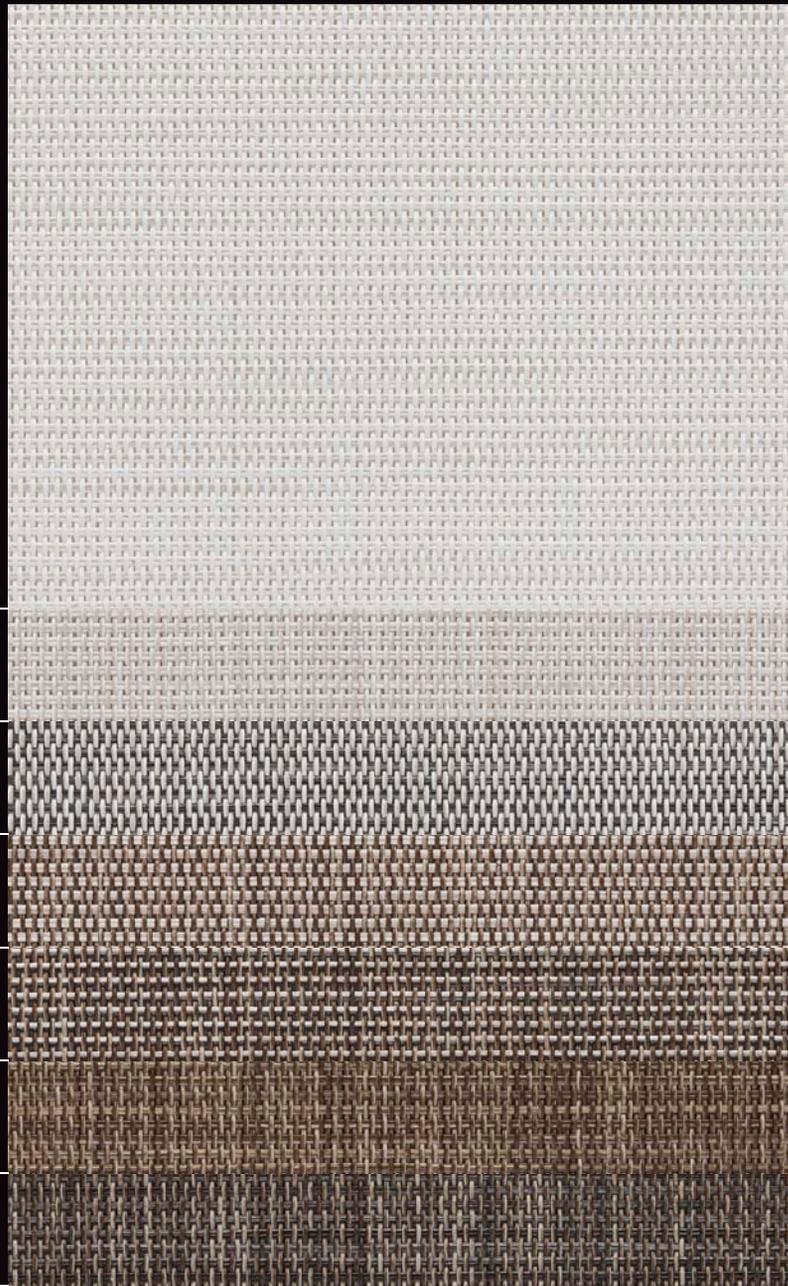
D137

D212

D249

D226

D237

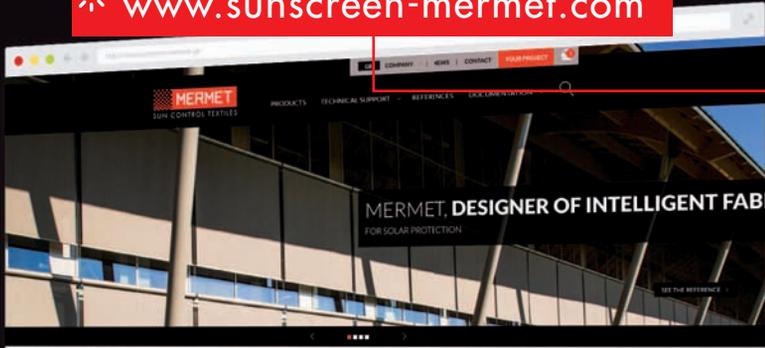


Colours may be slightly different from the actual ones

SERVICE +

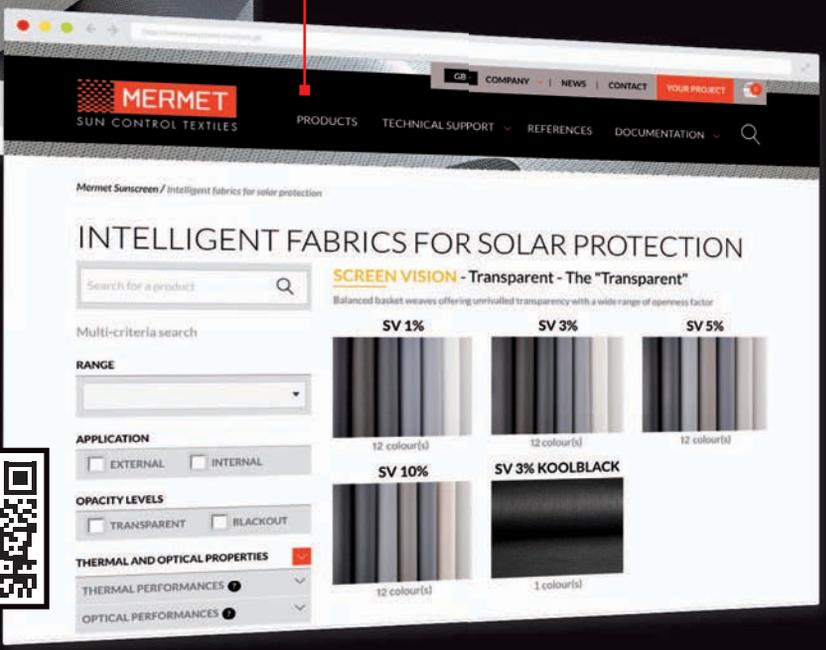
- Calculation of solar factor g_{tot} (glazing + blind)
- Spectral values and thermal & optical factors available on request
- Specification sheet
- A4 samples and prototypes
- Training on fabrics functionality

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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**.



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