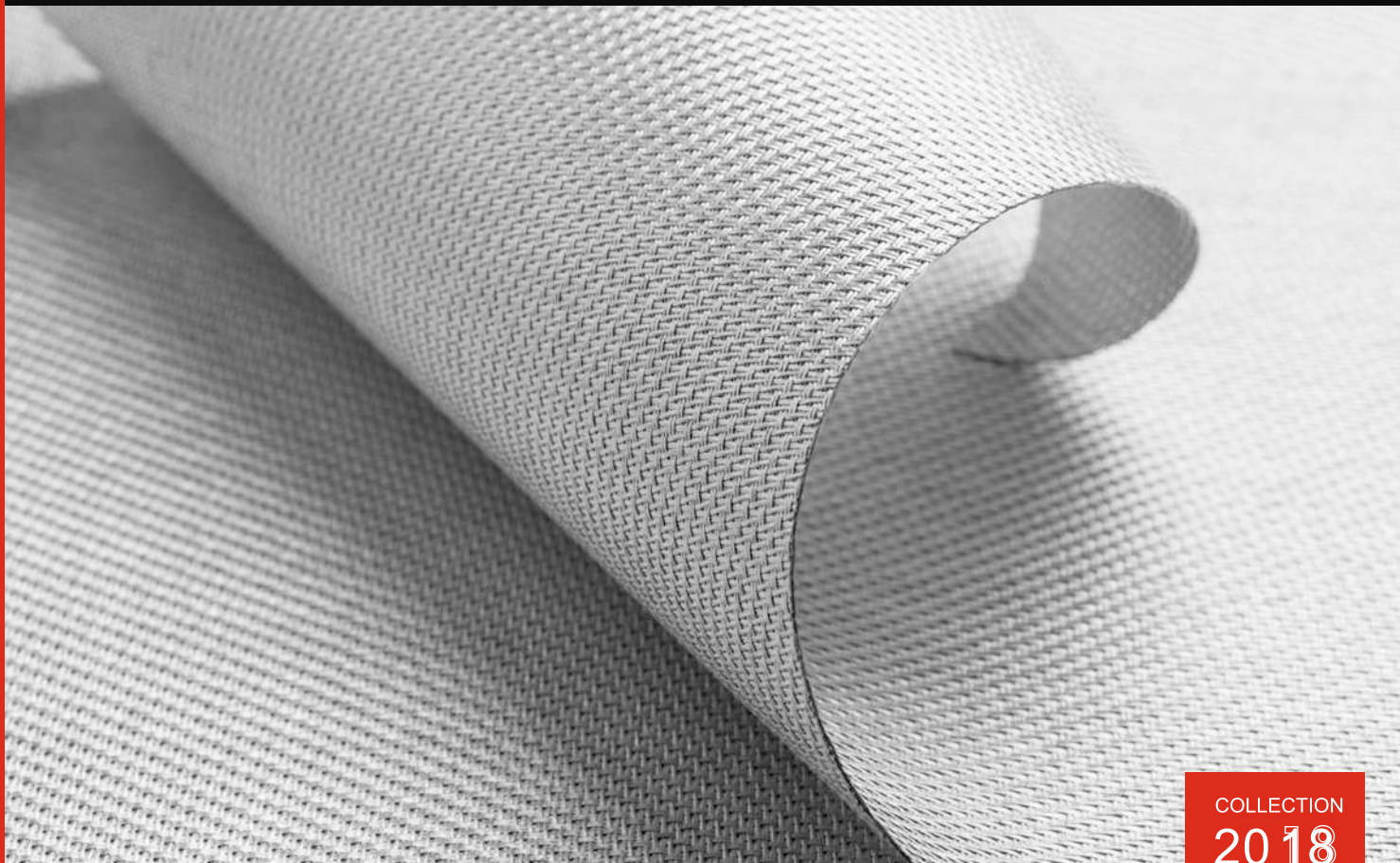


# SELECTION GUIDE

SELECTION GUIDE

MERMET COLLECTION



INTELLIGENT FABRICS FOR SOLAR PROTECTION

COLLECTION  
**2018**  
**2021**

[www.mermet.co.uk](http://www.mermet.co.uk)  
01989 750910  
[info@mermet.co.uk](mailto:info@mermet.co.uk)

# IN 6 STEPS

## SELECT YOUR INTELLIGENT FABRIC

1

### APPLICATION TYPE

					
		Roller blinds	Roman shades	Decorative panels	Vertical blinds
SCREEN VISION	SV 1% - 3% - 5% - 10%	int.	int.	int.	int.
	SV 3% KOOLBLACK™	int.	int.	int.	
SCREEN DESIGN	M-SCREEN 8501-8503-8505	int.	int.	int.	int.
	SCREEN PROGRESS	int.			
	NATURA™ Tissu de fils de verre enduits	int.	int.	int.	
	S-SCREEN	int.	int.	int.	
SCREEN THERMIC	ST 1% - 3% - 5%	int.	int.	int.	int.
SCREEN LOW E	SATINÉ 5500 LOW E	int.			
EXTERNAL SCREEN CLASSIC	5500 MÉTAL	int./ext.		int.	
	SATINÉ 5500	int./ext.		int.	
	SATINÉ 5501	int./ext.		int.	
	NATTÉ 4503	int./ext.		int.	
	ULTRAVISION	int./ext.		int.	
SCREEN NATURE	SCREEN NATURE	int.			
	SCREEN NATURE ULTIMETAL	int.			
BLACKOUT 100%	KIBO 8500	int.	int.	int.	
	FLOCKÉ 11201	int.	int.	int.	int.
	KARELLIS 11301	int.		int.	
	SATINÉ 21154	int./ext.			
ACOUSTICS	ACOUSTIS 50	int.	int.	int.	

int. = internal    ext. = external    int./ext. = internal and external

1

					
Projection shades	Velums	ZIP Roller blinds	Printable	Stretched ceilings	Space fitting
	int.	int.	int.	int.	int.
	int.	int.	int.	int.	int.
	int.	int.	int.	int.	int.
		int.			
	int.	int.	int.	int.	int.
	int.		int.	int.	int.
	int.	int.	int.	int.	int.
	int.		int.	int.	int.
	int.	int.	int.	int.	int.
	int.				
ext.	int./ext.	int./ext.	int./ext.	int.	int./ext.
ext.	int./ext.	int./ext.	int./ext.	int.	int./ext.
ext.	int./ext.	int./ext.	int./ext.	int.	int./ext.
ext.	int./ext.	int./ext.	int./ext.	int.	int./ext.
ext.	int./ext.		int./ext.	int.	int./ext.
			int.		
	int.	int.	int.		int.
	int.	int.	int.		int.
	int.	int.	int.		int.
		int./ext.	int./ext.		
	int.	int.	int.	int.	int.

2

3

4

5

6

THERMAL  
COMFORT

VISUAL  
COMFORT

PRIVACY

PROTECTION  
AGAINST UV

EXTRA  
WIDTH

		Thermal comfort Solar factor / Low gtot		Daylight utilisation High Tv		Glare control Low Tv		Night privacy		Outward visibility		Daytime privacy Opacifier	Total light blockout	Protection against UV	Max. width
		Light colour	Dark colour	Light colour	Dark colour	Light colour	Dark colour	Light colour	Dark colour	Light colour	Dark colour				
SCREEN VISION	SV 1% - 3% - 5% - 10%	2	0	2	1	1	3	2	2	2	4	Moderate		Up to 99%	320 cm
	SV 3% KOOLBLACK™	-	0	-	1	-	3	-	2	-	2	Moderate		95%	310 cm
SCREEN DESIGN	M-SCREEN 8501-8503-8505	2	0	2	1	1	3	2	2	2	3	Moderate		Up to 100%	320 cm
	SCREEN PROGRESS	On request		On request								On request		On request	250 cm
	NATURA™ Tissu de fils de verre et d'alu	2	0	2	1	0	1	1	1	2	3	Moderate		Up to 94%	250 cm
	S-SCREEN	2	0	1	1	0	3	1	2	2	3	Moderate		Up to 96%	310 cm
SCREEN THERMO	CS2 1% - 3% - 5%	2	1	2	1	1	3	2	2	0	2	Moderate		Up to 99%	320 cm
SCREEN LOW E	SATINÉ 5500 LOW E	2	-	1	-	3	-	2	-	2	-	Moderate		96%	240 cm
EXTERNAL SCREEN CLASSIC	5500 MÉTAL	3	4	2	1	1	3	2	2	1	2	Moderate		Up to 99%	285 cm
	SATINÉ 5500	2	4	2	1	1	3	2	2	0	2	Moderate		Up to 96%	320 cm
	SATINÉ 5501	3	4	2	0	1	3	2	2	1	2	Complete		Up to 98%	320 cm
	NATTÉ 4503	3	4	2	1	1	3	2	2	1	2	Moderate		Up to 97%	320 cm
	ULTRAVISION	2	2	3	2	0	0	0	0	3	3	Low		Up to 76%	250 cm
SCREEN NATURE	SCREEN NATURE	1	0	3	1	1	3	2	2	0	2	Moderate		Up to 95%	240 cm
	SCREEN NATURE ULTIMET	2	2	1	1	2	3	2	2	2	2	Moderate		Up to 96%	240 cm
BLACKOUT 100%	KIBO 8500	2	0	0	0	4	4	4	4	0	0	Complete	Yes	100%	250 cm
	FLOCKÉ 11201	2	0	0	0	4	4	4	4	0	0	Complete	Yes	100%	240 cm
	KARELLIS 11301	2	0	0	0	4	4	4	4	0	0	Complete	Yes	100%	300 cm
	SATINÉ 21154	4	4	0	0	4	4	4	4	0	0	Complete	Yes	100%	210 cm
ACOUSTICS	ACOUSTIS 50	2	0	2	0	1	3	2	2	0	2	Complete		100%	250 cm

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).  
Classification according to EN 14501 standard: 0 very little effect 1 little effect 2 moderate effect 3 good effect 4 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".

# REGULATIONS

Mermet® solar protection fabrics comply with the most demanding regulations applicable to public buildings



Solar protection fabrics from the Mermet® collection, manufactured from coated glass fibre or prepared glass-yarn fabrics, are covered by a 5-year warranty



More than 99% of bacteria destroyed - ASTM E 2180



Guaranteed lead-free fabrics



Non-flammable, the fabrics from the Mermet® collection fully comply with the world's most demanding fire safety regulations



Ability for the material to be used in a marine environment in a total security



EU regulation covering the registration, assessment and authorisation of chemical substances, including the restrictions that apply to these substances (REACH)



Mechanical endurance test to ensure the durability of the product in accordance with EN 13120 and EN 13561 standard



The emissivity of a material is its capacity to re-emit the energy it receives via the effect of conduction (heat/cold). A fabric with low emissivity will restrict the diffusion effect to the interior, thereby limiting the effect of cold in the winter and of heat in the summer



Struggling against the noise, controlling the soundscape and enhancing the intelligibility of speech all contribute to acoustic comfort



Guarantee of indoor air quality (VOC)



No chemicals harmful to health and safety of users



Guarantee of the technical properties of Mermet® fabrics based on coated glass fibre



German Sustainable Building Council - objective of promoting sustainability in the construction sector via durable and economically efficient buildings

## A FEW PRINCIPLES OF SOLAR PROTECTION

to ensure thermal comfort ...



By being located outside, solar protection fabrics are able to offer enhanced thermal protection as the amount of the sunlight absorbed (As) by the fabric in front of the glass is emitted to the outside. Dark colours outside offer better protection against heat than light colours as they absorb more solar energy (lower Ts). Mermet® fabrics are able to meet the Class 4 requirements of the EN 14501 standard depending on the selected colour.

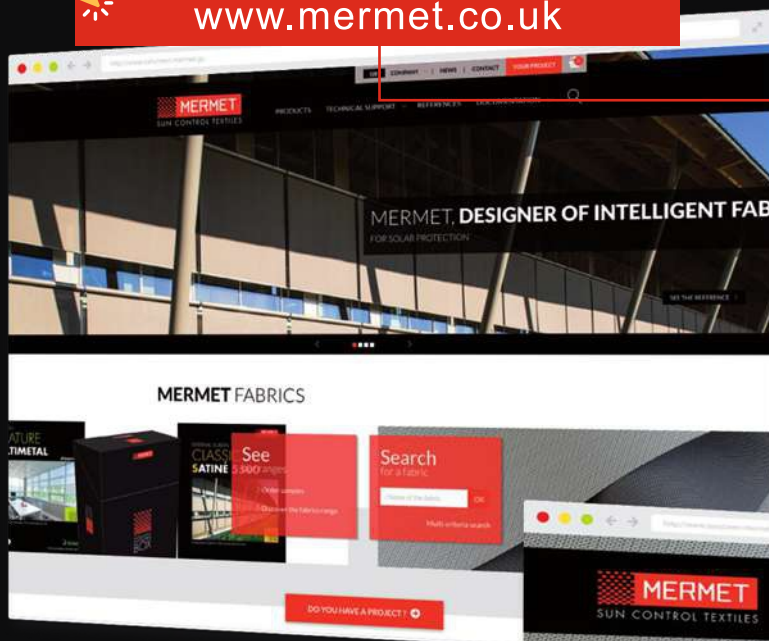


On the contrary, inside, the lighter or more reflective colours are more efficient as they absorb less heat (lower As) and reflect more (Rs) than dark colours.

... and visual comfort

Dark colours offer better transparency and enhanced glare control.

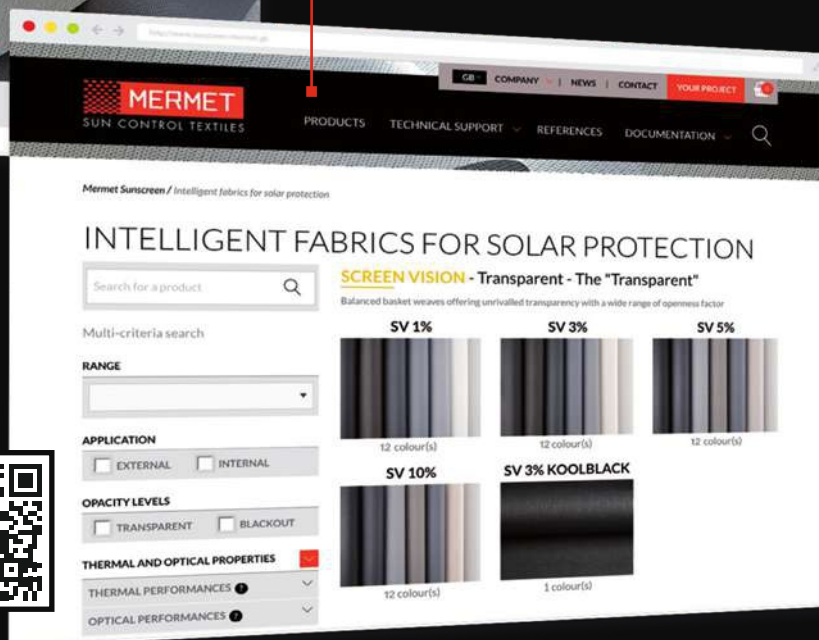
[www.mermet.co.uk](http://www.mermet.co.uk)




## 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

Go directly to the  
products catalog ›



 **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



**MERMET U.K. Ryeford Hall , Ryeford , Ross-on-Wye HR9 7PU**

Phone 01989 - 750910 Fax 01989 750768 [info@mermet.co.uk](mailto:info@mermet.co.uk)

This brochure must be read and interpreted in accordance with the General Terms & Conditions of Sale of MERMET SAS, with which it forms an indissoluble whole. The General Terms & Conditions of Sale that are current at any time are those contained on the MERMET SAS website at the following address: [www.sunscreen-mermet.com](http://www.sunscreen-mermet.com).