

Satiné 5500 & Natté 4500

PRODUCT FEATURES

- excellent heat protection: blocks solar energy before it hits the glass
- Satiné: twill weave for excellent glare control
- Natté: basket weave for excellent outside visibility
- excellent mechanical resistance for tensile structures
- printable: excellent communication medium
- human & ecologically-friendly fabrics
- intelligent fabric for external & internal applications



ROLLER
BLINDS



ROMAN
SHADES



DECORATIVE
PANELS



VELUMS



SKYLIGHT
BLINDS



ROOF LIGHT
BLINDS



FLAT
STRUCTURES



SHAPED
STRUCTURES



VOLUME
STRUCTURES

THERMAL & OPTICAL PROPERTIES (ASHRAE 74-73)

COMFORT FACTORS



COLOURS	Fabric			Fabric & glazing					Tv	COMFORT FACTORS				
	SIDE	Ts	Rs	As	1/4" Cl	1/4" H.A.	1/4" Cl	1/4" H.A.		INT.	EXT.	HP	HP	CV
		Fabric			Fabric & glazing									
					Sc external blind					Sc internal blind				
SATINÉ 5500 Average Openness Factor of 5%														
M73 Pearl Canary White	A dark	^	^	^	^	^	^	^	^	^	^	^	^	^
	B	^	^	^	^	^	^	^	^	^	^	^	^	^
0750 Pearl Green	A dark	9	33	58	0.16	0.15	0.53	0.42	8	13	27	19	37	18
	B	9	31	60	0.16	0.15	0.53	0.42	8	13	27	18	37	18
0707 Pearl		14	32	54	0.18	0.17	0.55	0.43	11	16	24	19	36	18
2020 Linen		22	49	29	0.24	0.22	0.46	0.38	16	21	19	24	33	17
M37 Linen Pearl Sable	A dark	18	43	39	0.23	0.21	^	^	17	21	19	23	33	17
	B	18	47	35	0.23	0.22	^	^	17	21	19	21	34	17
0606 Bronze		3	9	88	^	^	0.66	0.49	4	15	25	11	36	21
3006 Charcoal Bronze	A	6	7	87	0.16	0.16	0.68	0.50	9	11	29	11	38	22
	B dark	6	6	88	0.16	0.16	0.69	0.50	9	11	29	11	38	22
3030 Charcoal		6	4	90	0.15	0.15	0.70	0.51	6	10	30	11	38	22
0130 Grey Charcoal	A dark	5	9	86	0.16	0.16	0.67	0.49	5	10	30	11	38	20
	B	5	11	84	0.16	0.15	0.65	0.49	5	10	30	12	38	20
NATTÉ 4500 Average Openness factor of 10%														
1002 Sable White		15	47	38	0.20	0.19	0.45	0.38	14	25	11	22	32	32
1010 Sable		12	36	52	0.18	0.17	0.52	0.41	12	23	13	19	33	33
0606 Bronze		11	9	80	0.20	0.20	0.68	0.50	14	19	17	11	35	36
0601 Bronze Grey		11	12	77	0.23	0.22	0.66	0.49	12	21	15	11	34	32
3006 Charcoal Bronze		9	6	85	0.19	0.18	0.69	0.51	11	20	18	11	35	36
3001 Charcoal Grey		9	9	82	0.19	0.18	0.68	0.50	10	20	18	11	35	36
3030 Charcoal		9	4	87	0.19	0.18	0.71	0.51	10	21	19	10	36	36

^ Please contact office to request technical information

1/4" Cl: clear 1/4" glazing | 1/4" H.A.: heat absorbing 1/4" (6mm) glazing.

Samples tested by the ASHRAE 74-73 standard "Method of measuring solar-optical properties of materials"

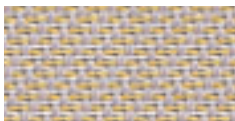
The Modulight® Rapid® Selection system, including the 4 comfort factors & their scale of values, is the property of Mermet S.A. It refers solely to solar protection fabric in the Mermet Modulight® collection. Any whole or partial reproduction is forbidden.

TECHNICAL DATA

	SATINÉ 5500	NATTÉ 4500	
COMPOSITION	42% Fibreglass 58% PVC	42% Fibreglass 58% PVC	
FIRE CLASSIFICATION	M1 (F) B1 (DE) BS (GB) FR (USA) FR (USA) FR (USA)	M1 (F) B1 (DE) - FR (USA) FR (USA) -	NFP 92 503 DIN 4102-1 476 Pt 6 Class 0 NFPA 701 - 89 Small NFPA 701 - 89 Large NFPA 701 - 99 TM #1 California US Title 19 AWTA Tested AS 1530 part 3* GB 50222-95
	AS (AUS)	AS (AUS)	
	B1 (CN)	B1 (CN)	
OPENNESS FACTOR	Average 5%	Average 10%	
UV BLOCKAGE	Up to 96%	Up to 90%	
WIDTHS	190, 250, 285cm (depending on colour)	250cm	
PATTERN	Twill	Basket weave 2 x 2	
YARN COUNT	Warp 18 yarns/cm ± 5% Weft 14 yarns/cm ± 5%	14 yarns/cm ± 5% 14 yarns/cm ± 5%	ISO 7211/2
WEIGHT PER M²	535g ± 5%	470g ± 5%	ISO 2286 - 2
THICKNESS	0.78mm ± 5%	0.53mm ± 5%	ISO 2286 - 3
BREAKING STRENGTH	Warp >280 daN/5cm Weft >170 daN/5cm	>250 daN/5cm >250 daN/5cm	ISO 1421
ELONGATION TO BREAK POINT	Warp & Weft <5%	<5%	ISO 1421
TEAR RESISTANCE	Warp & Weft 10 ≥ 18 daN	10 ≥ 18 daN	Internal procedure
RESISTANCE TO FOLD	Warp & Weft ≥ 20 daN/5cm	≥ 20 daN/5cm	Internal procedure
COLOUR FASTNESS TO LIGHT	7/8 Scale of 8 White not graded	7/8 White not graded	ISO 105 B02
MARKING	Digital printing / Screen printing / Transfer / Paint / Adhesive		
MAKING-UP	Welding (thermal, high frequency, ultrasonic) or sewing Mermet recommends welding tape on the edges of external blinds for added stability		

* Available for download at mermet.com.au

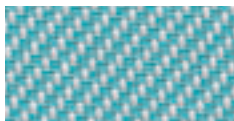
Satiné 5500



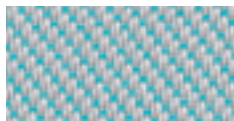
M73 Pearl Canary White A
WIDTHS: 1900, 2850



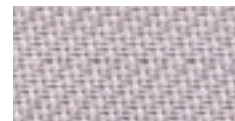
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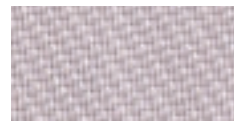
0750 Pearl Green A
WIDTHS: 1900, 2850



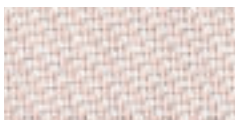
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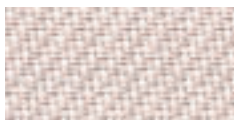
0707 Pearl A
WIDTHS: 1900, 2850



B



2020 Linen A
WIDTHS: 1900, 2850



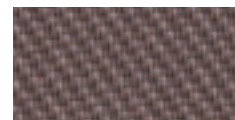
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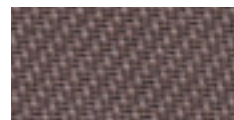
M37 Linen Pearl Sable A
WIDTHS: 1900, 2850



B



0606 Bronze A
WIDTH: 2500



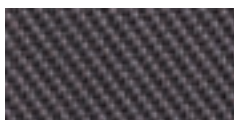
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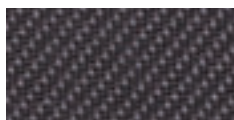
3006 Charcoal Bronze A
WIDTHS: 1900, 2850



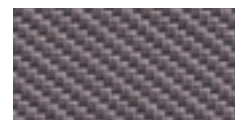
B



3030 Charcoal A
WIDTHS: 1900, 2850



B



0130 Grey Charcoal A
WIDTHS: 1900, 2850



B

Natté 4500



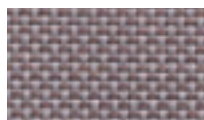
1002 Sable White
WIDTH: 2500



1010 Sable
WIDTH: 2500



0606 Bronze
WIDTH: 2500



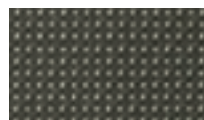
0601 Bronze Grey
WIDTH: 2500



3006 Charcoal Bronze
WIDTH: 2500



3001 Charcoal Grey
WIDTH: 2500



3030 Charcoal
WIDTH: 2500



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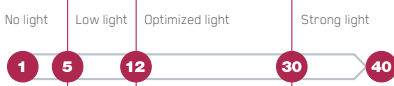
PINPOINT THE PERFORMANCE FACTORS

GUIDE TO THERMAL & OPTICAL FACTORS



4 COMFORT FACTORS TO CHOOSE THE RIGHT FABRIC FOR THE FUNCTION & COLOUR REQUIRED & ENSURE THE SUCCESS OF YOUR SOLAR PROTECTION.

NL NATURAL LIGHT



EC EYE COMFORT



HP HEAT PROTECTION



CV CONTRAST VISION



NL LEVEL OF INCOMING NATURAL LIGHT

For the same type of fabric, light colours let through more light than dark colours.

EC GLARE CONTROL

For the same type of fabric, dark colours provide better glare control than light.

HP PROTECTION AGAINST THE HEAT GAIN FROM SUNLIGHT

Outside screens provide better protection from the heat than indoor ones. Dark colours installed outside give better protection from the heat than lighter colours.

CV QUALITY OF OUTWARD VISIBILITY

The quality of visibility does not only depend on the openness or light transmission, it also depends on colour. Darker colours will provide better outward visibility.

SOLAR PROTECTION AND LIGHT CONTROL INDICATORS ARE LABORATORY-TESTED. THE MOST RELEVANT AND WIDELY-USED FACTORS ARE AS FOLLOWS:

THERMAL FACTORS

- Thermal factors relating to the fabric alone

Ts Solar Transmittance

This factor measures the proportion of solar energy transmitted through the fabric. A low percentage means the fabric performs well at reducing solar energy.

Rs Solar Reflectance

This factor measures the proportion of solar radiation reflected by the fabric. A high percentage means the fabric performs well at reflecting solar energy.

As Solar Absorbance

This factor measures the proportion of solar radiation absorbed by the fabric. A low percentage means the fabric absorbs little solar energy.

Solar radiation is always partially transmitted through, absorbed or reflected by the fabric. The sum of all 3 equals 100. $T_s + R_s + A_s = 100\%$ of solar energy.

OPTICAL FACTORS

Tv Visible Transmittance

This factor measures the percentage of visible light coming through the fabric that can be seen by the naked eye. It is related to the amount of light (brightness) a person receives through a glazing system. A low figure shows a very efficient fabric.

Of Openness Factor

This factor measures the proportion of holes in a woven fabric. This parameter, together with other technical properties of the fabric, should be considered when determining the degree of visibility and glare control, that the fabric offers. The openness factor can vary slightly from colour to colour in the same fabric, and is often expressed as an Average OF. A low OF indicates that the fabric has a very close weave.

Sc Shading Coefficient

This factor shows how effective the fabric is at filtering the heat from solar radiation. It is expressed as a factor between 0 and 1. A low figure means high protection from heat flow.