



# Screen fabric typology

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# Technical characteristics of sun blind fabrics

Functions of dynamic sun protection with a sun protection screen:

## Ensures thermal comfort

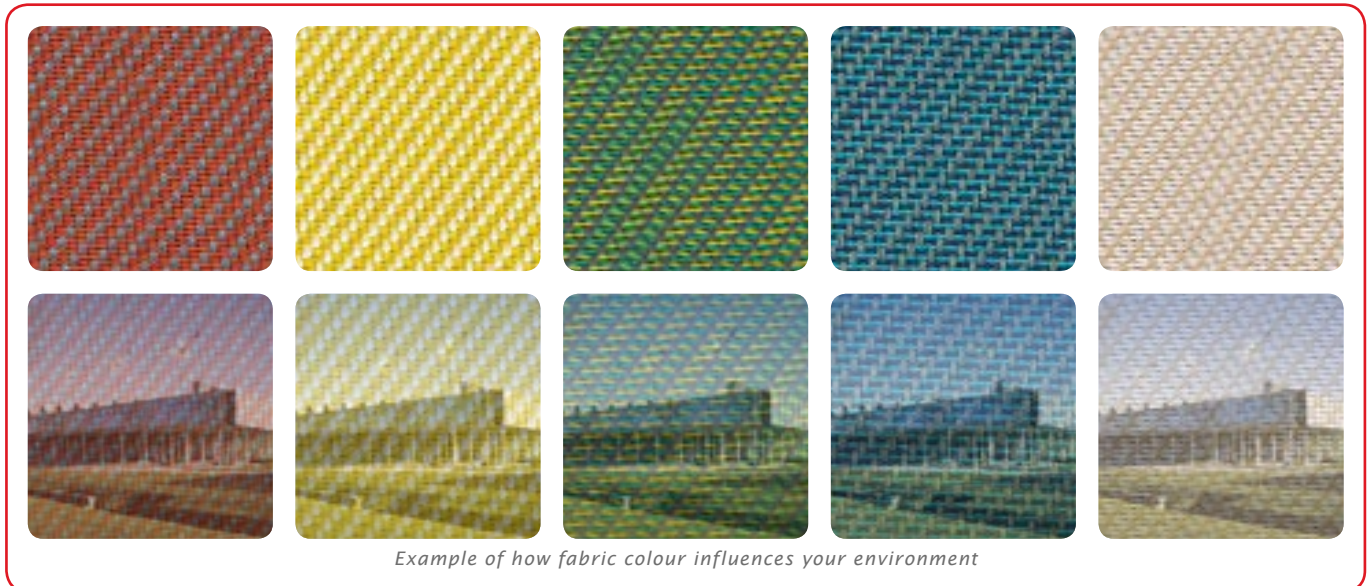
- Limits energy consumption in summer by protecting against overheating, i.e. avoids energy consumption for cooling.
- Limits energy consumption in winter by admitting heat from the winter sun.

## Ensures visual comfort

- Allows sufficient daylight to penetrate
- Prevents one from looking directly at the sun
- Prevents reflection of light on computer and/or television screens
- Retains the view to the outside but provides sufficient privacy from outside looking in
- Partial or complete blackout

## Aesthetic comfort

- Decorative roller
- Protection against the sun's harmful UV rays viz. protection against discolouration of furniture



Fixscreen® 150<sup>EVO</sup>

# Technical characteristics of sun blind fabrics



Fixscreen® 100 EVO & 150 EVO



OF: % openness



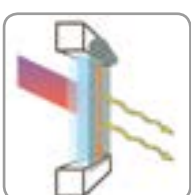
TS: sun transmittance in % ( $\tau_{e,\beta}$ )



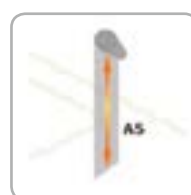
TV: visible light transmission in % ( $\tau_v$ )  
(before: LTA)



RS: sun reflection in % ( $\rho_{e,\beta}$ )



$g_{tot}$ : shading coefficient (ZTA or  $g_{g+\epsilon,\alpha}$ )



AS: sun absorption in % ( $\alpha_{e,\beta}$ )

$$TS + RS + AS = 100\% \text{ of the incident energy}$$

$$(\tau_{e,\beta} + \rho_{e,\beta} + \alpha_{e,\beta} = 1)$$

# Technical characteristics of sun blind fabrics

Sun protection screens are evaluated from the point of view of various technical properties. In order to simplify the choice of screen, the technical values can be evaluated in accordance with standard EN14501 according to the requirement for thermal and visual comfort.

## Thermal comfort

Solar gain is evaluated using the value  $g_{tot}$  or the total sun penetration factor. This value is the total percentage of energy that penetrates indoors through a window with sun protection. It is therefore a measure of the efficiency of the sun protection screen.

The  $g_{tot}$  value of the sun protection screen in combination with type C glazing can be classified as per the table below.

Type C glazing      4/16/4 double glazing with low emission  
 $U = 1,2W/m^2K$   
 $g_g = 0,59$

Class	0	1	2	3	4
$g_{tot}$	$g_{tot} \geq 0.50$	$0.35 \leq g_{tot} < 0.50$	$0.15 \leq g_{tot} < 0.35$	$0.10 \leq g_{tot} < 0.15$	$g_{tot} < 0.10$
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

In this brochure the  $g_{tot}$  value is also given whenever a sun protection screen is combined with type D glazing.

Type D glazing      Reflective 4/16/4 double glazing with low emission  
 $U = 1,1W/m^2K$   
 $g_g = 0,32$

In addition to these values the reduction factor  $F$  can also be applied. The reduction factor is a measure of the fraction of sun energy which is only admitted by the sun protection.

$$F = \frac{g_{tot}}{g_g}$$

## Visual comfort

In the area of visual comfort, fabrics can also be classified according to the EN 14501 standard and, within this, according to various parameters.

### A. Visual contact with the outside

Capacity for an observer inside (1m away from the fully lowered sun protection screen) to identify a person or object outside (5m away from the sun protection screen). Visual contact with the outside can be classified from 0 to 4 using the table below.

Class	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

### B. Use of natural daylight

- Capacity of the sun protection to limit the length of time during which artificial light is necessary
- Capacity of the sun protection to make optimum use of the available daylight

Class	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

### C. Glare

- Reduction of light contrasts between different zones in the field of vision
- Prevention of bothersome reflections on the screen resulting from the luminance of the window

Class	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

### D. Night privacy

Capacity of an external sun protection screen in fully closed or lowered position to shield people from view.

Class	0	1	2	3	4
Effect	Very little effect	Little effect	Moderate effect	Good effect	Very good effect

For information: all our sun protection screens are included in the EPB (adaptive temperature limits) database. The database is linked to the 3G EPB software. This allows the  $g_{tot}$  value to be calculated automatically.



## Screen fabric made of woven coated glass fibre yarn, or glass fibre fabric for short

These fabrics are woven from coated glass fibre yarn. This yarn with a glass fibre core is individually coated with a plastisol layer. This manufacturing process produces flexible fabrics. The screen fabric is heavy and it is extremely suitable for use in vertical rolling blind applications.

### Technical features of glass fibre fabric

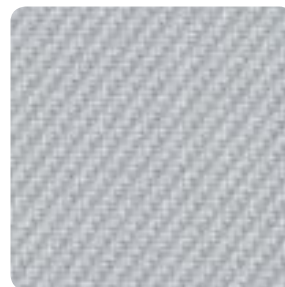
	Sergé	Natté	Métal	Privacy
Description	Sun blind fabric for external sun blinds			
Composition	Glass fibre yarn (42 %) with PVC coating (58 %)			
Available width	From 1350 to 2700 mm Limited selection up to 3200 mm	2500 mm	2850 mm	2700 mm
Fire resistance	M1 (F) - NFP 92503 Euroclass C-s3.d0 (EU) - EN 13501-1	M1 (F) - NFP 92503 B1 (DE) - DIN 4102-1 BS (GB) - 476 Pt 6 Class 0 Euroclass C-s3.d0 (EU) - EN 13501 - 1 mounted according to EN 13823 & EN 14716 F3 (F) - NF F16-101	M1 (F) - NFP 92503 B1 (DE) - DIN 4102-1 Euroclass C-s3.d0 (EU) - EN 13501 - 1 mounted according to EN 13823 & EN 14716 FR (US) - NFPA 701	M1 (F) - NFP 92503 B1 (DE) - DIN 4102-1 Class 1 - UNI 9177 C - BS 5867 FR - NFPA 701
Light-fastness	Degree 7 - ISO105 B 02	Degree 7-8 - ISO105 B02	Degree 7-8 - ISO105 B02	Degree 7 - ISO105 B 02
Thickness	Approx 0,55 mm - EN ISO 5084	Approx 0,53 mm - EN ISO 2286 - 3	Approx 0,70 mm - EN ISO 2286 - 3	Approx 0,80 mm - ISO 5084
Weight	Approx 535 g/m <sup>2</sup> - NF 12127	Approx 560 g/m <sup>2</sup> - EN ISO 2286 - 2	Approx 520 g/m <sup>2</sup> - EN ISO 2286 - 2	Approx 620 g/m <sup>2</sup> - NF EN 12127
Tearing strength warp according to	8,5 daN - EN ISO 4674-1	≥ 10 daN - EN 1875 - 3	≥ 10 daN - EN 1875 - 3	5,90 daN - ISO 4674-1
Tearing strength weft	7,5 daN - EN ISO 4674-1	≥ 9 daN - EN 1875 - 3	≥ 8 daN - EN 1875 - 3	6,20 daN - ISO 4674-1
Breaking strength warp	> 260 daN/5 cm - EN ISO 1421	> 220 daN/5 cm - EN ISO 1421	> 200 daN/5 cm - EN ISO 1421	> 321 daN/5cm - EN ISO 1421
Breaking strength weft according to	> 225 daN/5 cm - EN ISO 1421	> 200 daN/5 cm - EN ISO 1421	> 170 daN/5 cm - EN ISO 1421	> 277 daN/5 cm - EN ISO 1421
Opening factor	5%	3%	2%	1%



Sergé



Natté



Métal



Privacy

**Tip:** If you do not use the screen with the glass fibre fabric for some time (fabric remains rolled up in the closet), there will be more tension in the fabric. When using for the first time, the fabric may have some creases. By fully rolling out the fabric the creases will disappear. This will allow you to benefit from the clean look of the fabric again.



Glass fibre fabric & Lagune® / Fixscreen®

# Glass fibre fabric Sergé

Ref.		AS	RS	TS	TV	g <sub>tot</sub> ext.		Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night privacy	CF1 visualisation
						C	D						
SC0205	CF1	23,7	60	16,3	15,2	0,13	0,09	3	3	2	0	1	
	CF2	20,1	63,3	16,3	15,2	0,13	0,08						
SCM73 (+)	CF1	42,9	47,1	10,0	8,7	0,10	0,08	3	3	1	1	1	
	CF2	48,4	41,6	10,0	8,7	0,11	0,08						
SCM17 (+)	CF1	67,8	29,2	3,0	2,7	0,08	0,07	4	2	1	3	2	
	CF2	74,4	22,6	3,0	2,7	0,09	0,07						
SC0109	CF1	65,6	27,7	6,8	5,7	0,10	0,08	3	2	1	3	2	
	CF2	71,5	21,7	6,8	5,7	0,11	0,09						
SC0816	CF1	63,4	26,1	10,5	8,4	0,13	0,10	3	1	1	1	2	
	CF2	54,3	35,3	10,5	8,4	0,12	0,09						
SC2050	CF1	70,6	21,1	8,3	7,8	0,12	0,09	3	1	1	1	2	
	CF2	59,7	32,0	8,3	7,8	0,11	0,09						
SCM16	CF1	74,3	21,0	4,6	3,7	0,10	0,08	3	2	1	3	2	
	CF2	77,3	18,1	4,6	3,7	0,10	0,08						
SCM01	CF1	77,1	18,4	4,5	4,2	0,10	0,08	3	2	1	3	2	
	CF2	78,8	16,7	4,5	4,2	0,10	0,08						
SC0140 (+)	CF1	76,0	18,4	5,6	4,7	0,10	0,09	3	2	1	3	2	
	CF2	77,6	16,8	5,6	4,7	0,11	0,09						
SC0202 (+)	CF1	13,2	65,9	21,0	21,2	0,15	0,10	2	0	2	1	2	
	CF2	12,7	66,3	21,0	21,2	0,15	0,10						
SC2002 (+)	CF1	26,4	58,2	15,5	13,7	0,13	0,09	3	1	2	1	2	
	CF2	28,1	56,4	15,5	13,7	0,13	0,09						
SC2020 (+)	CF1	32,5	52,5	14,9	12,9	0,13	0,09	3	3	2	0	1	
	CF2	32,4	52,7	14,9	12,9	0,13	0,09						
SC1002 (+)	CF1	39,1	49,2	11,7	10,2	0,11	0,08	3	1	1	1	2	
	CF2	43,6	44,6	11,7	10,2	0,12	0,09						
SC0110 (+)	CF1	68,8	26,5	4,7	4,5	0,09	0,08	4	2	1	3	2	
	CF2	73,8	21,5	4,7	4,5	0,10	0,08						
SC0102 (+)	CF1	56,2	37,2	6,7	6,6	0,09	0,08	4	2	1	3	2	
	CF2	66,4	26,9	6,7	6,6	0,10	0,08						
SC0207 (+)	CF1	37,4	50,9	11,7	9,9	0,11	0,08	3	1	1	1	2	
	CF2	41,4	46,9	11,7	9,9	0,11	0,08						
SC0707	CF1	51,7	38,3	10,1	8,4	0,11	0,09	3	3	1	1	1	
	CF2	50,5	39,4	10,1	8,4	0,11	0,09						
SC4949	CF1	53,0	37,0	10,0	9,0	0,11	0,09	3	1	1	1	2	
	CF2	53,0	37,0	10,0	9,0	0,11	0,09						
SC0606	CF1	88,0	8,1	3,9	3,8	0,10	0,09	3	2	1	3	2	
	CF2	87,7	8,4	3,9	3,8	0,10	0,09						
SC1006 (+)	CF1	73,2	21,1	5,7	5,0	0,10	0,09	3	2	1	3	2	
	CF2	66,3	28,0	5,7	5,0	0,10	0,08						
SCM45 (+)	CF1	48,7	42,6	8,7	7,8	0,10	0,08	3	3	1	1	1	
	CF2	52,4	38,9	8,7	7,8	0,10	0,08						
SCM36 (+)	CF1	27,7	59,8	12,4	11,6	0,11	0,08	3	1	1	1	2	
	CF2	23,4	64,2	12,4	11,6	0,10	0,07						
SCM31 (+)	CF1	63,0	33,2	3,9	3,6	0,08	0,07	4	2	1	3	1	
	CF2	70,9	25,2	3,9	3,6	0,09	0,08						
SCM33 (+)	CF1	73,4	23,0	3,6	3,0	0,09	0,08	4	2	1	3	2	
	CF2	76,5	19,8	3,6	3,0	0,09	0,08						
SC0101 (+)	CF1	81,3	15,1	3,5	3,6	0,10	0,08	3	2	1	3	2	
	CF2	81,3	15,1	3,5	3,6	0,10	0,08						
SC0130 (+)	CF1	86,5	9,9	3,6	3,6	0,10	0,09	3	2	1	3	2	
	CF2	83,8	12,6	3,6	3,6	0,10	0,08						
SC3030 (+)	CF1	91,4	5,0	3,6	3,6	0,10	0,09	3	2	1	3	2	
	CF2	91,6	4,8	3,6	3,6	0,10	0,09						

All information subject to error and technical changes. Printed colours may deviate slightly, please refer to our fabric swatch for exact colours.

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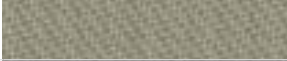






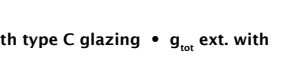

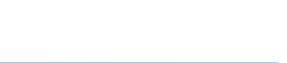




CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

(+): Extra fabric width of 3200 mm for a selection of colours.



## Architects' selection

These colors are based on the latest trends from the architectural world.

Ref.		AS	RS	TS	TV	g <sub>tot</sub> ext.		Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night privacy	CF1 visualisation
						C	D						
SC3131	CF1	75,0	17,9	7,1	7,0	0,11	0,09	3	3	1	1	1	
	CF2												
SC3231	CF1	70,4	22,5	7,1	6,6	0,11	0,09	3	3	1	1	1	
	CF2												
SC3232	CF1	63,8	27,9	8,3	7,4	0,11	0,09	3	3	1	1	1	
	CF2												
SC3301	CF1	74,7	17,0	8,3	8,0	0,12	0,10	3	3	1	1	1	
	CF2												
SC3332	CF1	67,5	24,7	7,8	7,3	0,11	0,09	3	3	1	1	1	
	CF2												
SC3333	CF1	72,4	20,5	7,1	6,8	0,11	0,09	3	3	1	1	1	
	CF2												
SC1011 (+)	CF1	87,4	6,5	6,1	6,1	0,09	0,07	4	3	1	1	1	
	CF2												
SC1111	CF1	77,0	18,0	5,0	6,0	0,10	0,09	3	2	1	3	2	
	CF2												

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(+): Extra fabric width of 3200 mm for a selection of colours.



Glass fibre fabric & Fixscreen®

# Glass fibre fabric Sergé

While stocks last.

Ref.		AS	RS	TS	TV	$g_{tot. ext. C}$	Thermal comfort C	CF1 visualisation
SC0103	CF1	63,8	28,9	7,3	6,3	0,10	3	
SC2040	CF1	65,9	28,1	6,0	5,2	0,10	3	
SC0703	CF1	50,6	39,1	10,3	7,1	0,11	3	
SC0740	CF1	61,5	31,0	7,5	4,4	0,10	3	
SC0150	CF1	70,1	23,5	6,5	6,0	0,10	3	
SC0750	CF1	55,4	36,4	8,2	6,3	0,10	3	
SCM18	CF1	37,5	48,7	13,8	11,3	0,12	3	
SCM19	CF1	30,8	57,2	12,0	8,7	0,11	3	
SCM30	CF1	50,8	42,7	6,5	5,1	0,09	4	
SC0708	CF1	49,3	40,8	9,9	7,8	0,11	3	
SC0709	CF1	49,8	39,6	10,6	7,3	0,11	3	
SC0909	CF1	37,7	45,0	17,3	8,3	0,15	3	
SCM47	CF1	66,2	26,7	7,1	6,5	0,11	3	
SCM48	CF1	50,0	38,8	11,2	9,1	0,12	3	
SCM56	CF1	54,3	35,7	10,0	7,1	0,11	3	
SC0105	CF1	64,6	29,0	6,4	6,2	0,10	3	
SC0108	CF1	65,5	29,5	4,9	4,3	0,09	4	
SC0505	CF1	28,8	49,7	21,5	20,2	0,17	2	
SC0808	CF1	35,4	48,6	16,0	9,4	0,14	3	
SCM64	CF1	44,6	47,6	7,8	5,5	0,09	4	
SCM65	CF1	46,3	43,2	10,6	7,0	0,11	3	
SC1010	CF1	54,1	36,5	9,4	7,7	0,11	3	

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 CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

## Glass fibre fabric Natté

A Natté fibreglass screen is a screen with a vertical weave pattern.

Ref.		AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night privacy	CF1 visualisation
						C	D						
N-0202	CF1	11	70	19	18	0,13	0,09	3	1	2	1	2	
	CF2												
N-2002	CF1	21	62	17	14	0,13	0,09	3	1	2	1	2	
	CF2												
N-0220	CF1	21	62	17	14	0,13	0,09	3	1	2	1	2	
	CF2												
N-2020	CF1	29	55	16	12	0,13	0,09	3	1	2	1	2	
	CF2												
N-0207	CF1	34	53	13	11	0,12	0,08	3	1	2	1	2	
	CF2												
N-0201	CF1	47	44	9	6	0,10	0,08	3	2	1	1	2	
	CF2												
N-0701	CF1	62	30	8	6	0,11	0,08	3	2	1	2	2	
	CF2												
N-3001	CF1	85	12	3	3	0,10	0,08	3	2	1	3	2	
	CF2												
N-3006	CF1	89	8	3	3	0,10	0,09	3	2	1	3	2	
	CF2												
N-3030	CF1	91	6	3	3	0,09	0,08	4	2	1	3	2	
	CF2												

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## Glass fibre fabric Métal

A Métal fibreglass screen has a reflective metal side.

Ref.		AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night privacy	CF1 visualisation
						C	D						
MT-2020	CF1	36	51	13	10	0,12	0,09	3	1	1	1	2	
	CF2	32	55	13	10	0,12	0,08	3					
MT-0202	CF1	27	58	15	13	0,12	0,09	3	1	2	1	2	
	CF2	18	67	15	13	0,11	0,08	3					
MT-0707	CF1	49	42	9	7	0,10	0,08	3	1	1	1	2	
	CF2	52	39	9	7	0,11	0,08	3					
MT-0101	CF1	65	30	5	3	0,09	0,08	4	2	1	3	2	
	CF2	73	22	5	3	0,10	0,08	3					






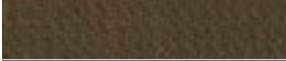

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CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

# Glass fibre fabric Privacy

A Privacy (Sergé 1%) fibreglass screen is a screen with a transparency factor of only 1%. This screen offers privacy without restricting the view to the outside.

Ref.	AS	RS	TS	TV	g <sub>tot</sub> ext.		Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night privacy	CF1 visualisation	
					C	D							
P-0202	CF1 CF2	15,9	71,3	12,8	12,9	0,09	0,06	4	1	2	1	2	
P-0808	CF1 CF2	39,9	54,2	5,9	3,7	0,06	0,04	4	2	1	2	2	
P-0303	CF1 CF2	56,1	40,6	3,3	1,9	0,05	0,04	4	2	0	3	2	
P-0707	CF1 CF2	60,3	36,9	2,8	2,1	0,05	0,04	4	2	0	3	2	
P-0101	CF1 CF2	80,2	17,4	2,4	2,2	0,06	0,05	4	2	0	3	2	
P-1111	CF1 CF2	90	8,6	1,4	1,3	0,06	0,05	4	2	0	3	2	
P-1010	CF1 CF2	93	5,9	1,1	1,1	0,06	0,05	4	2	0	3	2	

All information subject to error and technical changes. Printed colours may deviate slightly, please refer to our fabric swatch for exact colours.

AS: sun absorption in % • RS: sun reflection in % • TS: sun transmittance in % • TV: visible light transmission in % • g<sub>tot</sub> ext. with type C glazing • g<sub>tot</sub> ext. with type D glazing • Classification thermal and visual comfort according to EN 14501  
CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range










Glass fibre fabric & Fixscreen® 150<sup>EVO</sup> / Topfix® Max

# Blackout fibreglass screen

## Technical features of glass fibre blackout fabric

Satiné 21154	
Description	Sun blind fabric for internal use. Exceptionally for exterior use: Miniscreen®
Composition	Glass fibre yarn (28%) with PVC (72%)
Available width	2100 mm
Fire resistance	M1 (NFP 92 503)
Light-fastness (ISO2286-3)	Degree 7/8
Thickness (ISO2286-3)	0,75 mm
Weight (ISO2286-2)	660 g/m <sup>2</sup>
Tearing strength warp (EN 1875 - 3)	7 daN
Tearing strength weft (EN 1875 - 3)	7 daN
Breaking strength warp (EN ISO 1421)	225 daN/ 5 cm
Breaking strength weft (EN ISO 1421)	190 daN/ 5cm
Opening factor	0%

We only recommend the blackout fibre glass fabric for indoor use as this type of fabric is more sensitive to changes in temperature and is more likely to crease compared to glass fibre fabric with no blackout layer.

Ref.	As	Rs	Ts	Tv	g <sub>tot. ext.</sub>		Thermal comfort C	CF1 visualisation	
					C	D			
GVV 0101 (S001)	CF1	79	21	0	0	0,09	0,03	4	
GVV 0102 (S002)	CF1	59	41	0	0	0,07	0,06	4	
GVV 0210 (S008)	CF1	48	52	0	0	0,06	0,05	4	
GVV 0202 (S009)	CF1	31	69	0	0	0,04	0,03	4	
GVV 0707	CF1	63	37	0	0	0,06	0,05	4	
GVV 2020	CF1	45	55	0	0	0,05	0,05	4	
GVV 3030	CF1	93	7	0	0	0,11	0,10	3	

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AS: sun absorption in % • RS: sun reflection in % • TS: sun transmittance in % • TV: visible light transmission in % • g<sub>tot. ext.</sub> with type C glazing • g<sub>tot. ext.</sub> with type D glazing • Classification thermal comfort according to EN 14501

# Polyester fabric Soltis®

## Screen fabrics based on coated pre-stressed polyester cloth, or polyester fabric for short (Soltis® fabric)

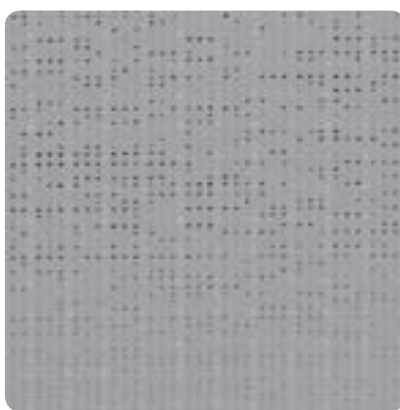
This sun blind fabric is made of high strength polyester yarn. After the weaving process the fabric is pulled in both directions with high tension and is fixed with liquid PVC. Thanks to this process the screen firmly retains its shape, showing hardly any distortion under pressure. In high tension applications, the screen meets the requirements excellently, with little sag, making it well-suited to shade large areas. The fabric is used in both horizontal and vertical applications where transparency is required.

### Technical features of Soltis® polyester fabric

	Soltis® 86	Soltis® 92	Soltis® B92 blackout fabric
Description	Sun blind fabric for external sun blinds, ideal for façades, conservatories, sun lounges and glass roofs		
Composition	Polyester textile fabric manufactured using PRECONSTRAINT FERRARI technology		
Available width	1770/2670 mm	1770/2670 mm	1700 mm
Fire resistance Euroklasse EN 13501-1	b-s2,d0	b-s2,d0	b-s2,d0
Fire resistance NFP 92 503 (F)	M1	M1	M2
Thickness (EN ISO 2286-3)	Approx 0,43 mm	Approx 0,45 mm	Approx 0,60 mm
Weight (EN ISO 2286-2)	Approx 380 g/m <sup>2</sup>	Approx 420 g/m <sup>2</sup>	Approx 650 g/m <sup>2</sup>
Tearing strength warp (DIN 53.363)	45 daN	45 daN	45 daN
Tearing strength weft (DIN 53.363)	20 daN	20 daN	25 daN
Breaking strength warp (EN ISO 1421)	230 daN/5 cm	310 daN/5 cm	330 daN/5 cm
Breaking strength weft (EN ISO 1421)	160 daN/5 cm	210 daN/5 cm	220 daN/5 cm
Opening factor	14%	3%	0%



Soltis® 86



Soltis® 92



Soltis® B92 blackout

# Polyester fabric Soltis® 86

Ref.		AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C	
						C	D		
S86-2044 (+)	CF1	12	59	29	28	0,20	0,11	2	
	CF2								
S86-2046 (+)	CF1	36,0	43,0	21,0	20,0	0,17	0,10	2	
	CF2								
S86-2048	CF1	42,0	39,0	19,0	19,0	0,16	0,08	2	
	CF2								
S86-2051 (+)	CF1	40,0	40,0	20,0	20,0	0,17	0,12	2	
	CF2								
S86-2167 (+)	CF1	68,0	17,0	15,0	14,0	0,16	0,09	2	
	CF2								
S86-2171 (+)	CF1	42,0	39,0	19,0	17,0	0,16	0,09	2	
	CF2								
S86-2012 (+)	CF1	55,0	27,0	18,0	16,0	0,17	0,10	2	
	CF2								
S86-2135 (+)	CF1	39,0	41,0	20,0	17,0	0,16	0,10	2	
	CF2								
S86-2148 (+)	CF1	73,0	13,0	14,0	14,0	0,16	0,09	2	
	CF2								
S86-2175 (+)	CF1	15,0	57,0	28,0	26,0	0,20	0,11	2	
	CF2								
S86-2166	CF1	25,0	45,0	30,0	26,0	0,22	0,13	2	
	CF2								
S86-8204	CF1	32,0	41,0	27,0	19,0	0,21	0,12	2	
	CF2								
S86-50333	CF1	46,0	32,0	22,0	19,0	0,19	0,11	2	
	CF2								
S86-2043 (+)	CF1	74,0	11,0	15,0	15,0	0,16	0,09	2	
	CF2								
S86-2158	CF1	60,0	25,0	15,0	14,0	0,15	0,09	2	
	CF2								
S86-50260	CF1	72,0	13,0	15,0	14,0	0,16	0,09	2	
	CF2								
S86-50261	CF1	43,0	35,0	22,0	15,0	0,18	0,10	2	
	CF2								
S86-2045 (+)	CF1	55,0	29,0	16,0	16,0	0,15	0,08	2	
	CF2								
S86-2047 (+)	CF1	78,0	7,0	15,0	15,0	0,17	0,10	2	
	CF2								
S86-2053 (+)	CF1	81,0	5,0	14,0	14,0	0,16	0,10	2	
	CF2								
S86-2068	CF1	49,0	35,0	16,0	15,0	0,15	0,09	2	
	CF2								
S86-2161	CF1	67,0	17,0	16,0	14,0	0,16	0,09	2	
	CF2								
S86-8255 (+)	CF1	53,0	24,0	23,0	17,0	0,20	0,11	2	
	CF2								

All information subject to error and technical changes. Printed colours may deviate slightly, please refer to our fabric swatch for exact colours.

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CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

(+): Extra fabric width of 2670 mm for a selection of colours.

# Polyester fabric Soltis® 86

While stocks last.

Ref.	AS	RS	TS	TV	g <sub>tot.</sub> ext.		Thermal comfort C
					C	D	
S86-50342	75	9	16	14	0,14	0,10	3

*All information subject to error and technical changes. Printed colours may deviate slightly, please refer to our fabric swatch for exact colours.*

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CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

(+): Extra fabric width of 2670 mm for a selection of colours.



Fixscreen® 100 EVO



# Polyester fabric Soltis® 92

Ref.		AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C	
						C	D		
S92-2044 (+)	CF1	13,0	68,0	19,0	17,0	0,14	0,08	3	
	CF2								
S92-2046 (+)	CF1	43,0	48,0	9,0	8,0	0,10	0,05	3	
	CF2								
S92-2048 (+)	CF1	46,0	46,0	8,0	8,0	0,09	0,04	4	
	CF2								
S92-2051 (+)	CF1	41,0	47,0	12,0	11,0	0,12	0,05	3	
	CF2								
S92-2065	CF1	44,0	46,0	10,0	7,0	0,11	0,06	3	
	CF2								
S92-2074 (+)	CF1	60,0	37,0	3,0	4,0	0,07	0,04	4	
	CF2								
S92-2160	CF1	56,0	36,0	8,0	4,0	0,10	0,06	3	
	CF2								
S92-2163	CF1	47,0	44,0	9,0	4,0	0,10	0,06	3	
	CF2								
S92-2167 (+)	CF1	78,0	19,0	3,0	3,0	0,09	0,05	4	
	CF2								
S92-2171 (+)	CF1	51,0	41,0	8,0	6,0	0,10	0,05	3	
	CF2								
S92-50272 (+)	CF1	33,0	55,0	12,0	9,0	0,11	0,06	3	
	CF2								
S92-2039	CF1	88	8	4	3	0,10	0,06	3	
	CF2								
S92-2157	CF1	34	51	15	10	0,13	0,07	3	
	CF2								
S92-2166	CF1	25	54	21	17	0,16	0,09	2	
	CF2								
S92-2172	CF1	38	43	19	8	0,16	0,09	2	
	CF2								
S92-8204	CF1	36	47	17	8	0,14	0,08	3	
	CF2								
S92-50268	CF1	47	37	16	5	0,15	0,08	2	
	CF2								
S92-50269	CF1	56	35	9	5	0,11	0,06	3	
	CF2								
S92-50333	CF2	52	37	11	7	0,12	0,07	3	
	CF1								
S92-50336	CF2	75	18	7	3	0,11	0,06	3	
	CF1								

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CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

(+): Extra fabric width of 2670 mm for a selection of colours.

# Polyester fabric Soltis® 92

Ref.		AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C	
						C	D		
S92-2043 (+)	CF1 CF2	83	13	4	4	0,10	0,06	3	
S92-2137	CF1 CF2	89	8	3	3	0,10	0,06	3	
S92-2149	CF1 CF2	79	16	5	4	0,10	0,06	3	
S92-2158	CF1 CF2	68	28	4	3	0,09	0,05	4	
S92-50260	CF1 CF2	81	14	5	4	0,10	0,06	3	
S92-50261	CF1 CF2	45	40	15	6	0,14	0,08	3	
S92-50271	CF1 CF2	54	38	8	2	0,10	0,06	3	
S92-50273	CF1 CF2	50	42	8	5	0,10	0,06	3	
S92-50274	CF1 CF2	57	35	8	4	0,10	0,06	3	
S92-2012	CF1 CF2	63	30	7	6	0,10	0,06	3	
S92-2013	CF1 CF2	25	57	18	16	0,14	0,08	3	
S92-2135 (+)	CF1 CF2	45	46	9	6	0,10	0,06	3	
S92-2148	CF1 CF2	83	14	3	3	0,09	0,05	4	
S92-2164	CF1 CF2	45	45	10	4	0,11	0,06	3	
S92-2175 (+)	CF1 CF2	16	65	19	17	0,14	0,08	3	
S92-50265 (+)	CF1 CF2	42	49	9	6	0,10	0,06	3	
S92-50266	CF1 CF2	77	19	4	4	0,09	0,05	4	
S92-50267	CF1 CF2	67	27	6	3	0,10	0,06	3	
S92-2045 (+)	CF1 CF2	61	35	4	4	0,08	0,04	4	
S92-2047 (+)	CF1 CF2	87	8	5	5	0,11	0,06	3	
S92-2053 (+)	CF1 CF2	91	6	3	3	0,10	0,06	3	
S92-2068	CF1	62	34	4	4	0,08	0,05	4	
	CF2	88	8	4	4	0,10	0,06	3	
S92-2152	CF1 CF2	49	35	16	5	0,15	0,08	2	
S92-8255	CF1 CF2	60	28	12	4	0,13	0,08	3	
S92-2161	CF1 CF2	76	19	5	3	0,10	0,06	3	
S92-50270	CF1 CF2	78	18	4	3	0,10	0,05	3	
S92-50342	CF1 CF2	84	10	6	4	0,11	0,06	3	
S92-50264	CF1 CF2	82	13	5	4	0,11	0,06	3	

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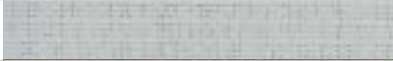




CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

(+): Extra fabric width of 2670 mm for a selection of colours.

# Soltis® B92 blackout polyester fabric

## Blackout

In combination with a black-out fabric our Fixscreen technology possesses the perfect solution for rooms which need to be obscured, from the inside or from the outside.

Ref.	As	Rs	Ts	Tv	$g_{tot}^{ext.}$ C	Thermal comfort C	CF1 visualisation	
B92-2135	CF1	53	47	0	0	0,03	4	
B92-2171	CF1	55	45	0	0	0,03	4	
B92-1043	CF1	88	12	0	0	0,05	4	
B92-1044	CF1	28	72	0	0	0,01	4	
B92-1045	CF1	65	35	0	0	0,03	4	
B92-1046	CF1	51	49	0	0	0,03	4	

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CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range



Soltis® B92-fabric & Fixscreen® 100<sup>EVO</sup>

# Polyester fabric Rensonscreen®

## Screen fabrics based on coated pre-stressed polyester fabric, or polyester fabric

This sun protection fabric is made of very strong polyester core, woven using the Rachel Trameur method, which results in very good resistance to bad weather. This method allows the yarns to move relative to each other and distribute and absorb mechanical tension, if and when fabric tears.

Rensonscreen provides protection against sunlight and protects your privacy whilst still providing you with a full view of the outside. Thanks to the micro-perforated structure, you can enjoy the comfort of natural light.

Rensonscreen Waterproof is often used in the roof part and finishing triangle (side) of our terrace awning, Lagune. This allows you to keep the same colour throughout. This type of fabric is water repellent.










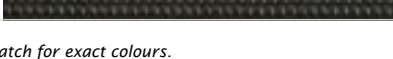
### Technical features of polyester fabric Rensonscreen®

	Rensonscreen®	Rensonscreen® Opaque	Rensonscreen® Waterproof
Description	Sun blind fabric for external sun blinds, ideal for façades, conservatories, sun lounges and glass roofs		
Composition	Polyester fabric (according to the Rachel Trameur - method) with a PVC coating	Polyester fabric (according to the Rachel Trameur - method) with a PVC coating + PVC black-out coating	Polyester fabric (according to the Rachel Trameur - method) with a PVC coating + PVC transparent coating
Available width	3000 mm	1450 mm	2960 mm
Fire resistance	M1	M1	M2
Thickness (ISO 2286-3)	Approx 0,42 mm	Approx 0,49 mm	Approx 0,48 mm
Weight (EN ISO 2286)	320 g/m <sup>2</sup>	510 g/m <sup>2</sup>	440 g/m <sup>2</sup>
Tearing strength warp (DIN 53.363)	43 daN	69 daN	69 daN
Tearing strength weft (DIN 53.363)	22 daN	40 daN	30 daN
Breaking strength warp (EN ISO 13934-1)	220 daN/5 cm	250 daN/5 cm	235 daN/5 cm
Breaking strength weft (EN ISO 13934-1)	150 daN/5 cm	160 daN/5 cm	155 daN/5 cm
Opening factor	6%	0%	4%



Topfix® Max




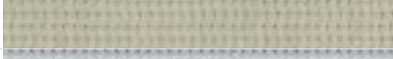



## Polyester fabric Rensonscreen®

Ref.	AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C		
					C	D			
M005	CF1	11	66	23	21	0,16	0,11	2	
M006	CF1	17	57	26	22	0,19	0,13	2	
M712	CF1	33	47	20	17	0,16	0,11	2	
M939	CF1	55	33	12	10	0,13	0,10	3	
M654	CF1	39	47	14	11	0,13	0,09	3	
M652	CF1	68	24	8	7	0,12	0,09	3	
M721	CF1	34	46	20	11	0,17	0,12	2	
M715	CF1	82	11	7	6	0,12	0,10	3	
M392	CF1	87	7	6	6	0,12	0,10	3	
M391	CF1	89	5	6	6	0,12	0,10	3	

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 CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range



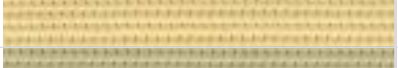









## Polyester fabric Rensonscreen® Opaque

Ref.	AS	RS	TS	TV	g <sub>tot. ext.</sub>		Thermal comfort C		
					C	D			
SWO M005	CF1	34	66	0	0	0,03	0,03	4	
SWO M006	CF1	43	57	0	0	0,04	0,04	4	
SWO M712	CF1	48	52	0	0	0,04	0,04	4	
SWO M939	CF1	66	34	0	0	0,06	0,05	4	
SWO M654	CF1	53	47	0	0	0,04	0,04	4	
SWO M652	CF1	75	25	0	0	0,07	0,06	4	
SWO M721	CF1	54	46	0	0	0,05	0,04	4	

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 CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range

# Polyester fabric Rensonscreen® Waterproof

Ref.	AS	RS	TS	TV	g <sub>tot</sub> ext.		Thermal comfort C		
					C	D			
SWC M005	CF1	14	62	24	22	0,17	0,11	2	
SWC M006	CF1	18	57	25	21	0,18	0,12	2	
SWC M711	CF1	34	50	16	13	0,14	0,10	3	
SWC M712	CF1	39	47	14	11	0,13	0,09	3	
SWC M939	CF1	53	35	12	10	0,13	0,09	3	
SWC M654	CF1	41	44	15	12	0,13	0,10	3	
SWC M652	CF1	68	25	7	6	0,10	0,09	3	
SWC M721	CF1	34	46	20	10	0,16	0,11	2	
SWC M715	CF1	81	13	6	6	0,11	0,09	3	
SWC M392	CF1	88	7	5	5	0,11	0,10	3	
SWC M393	CF1	85	8	7	6	0,12	0,10	3	
SWC M391	CF1	89	5	6	6	0,12	0,11	3	

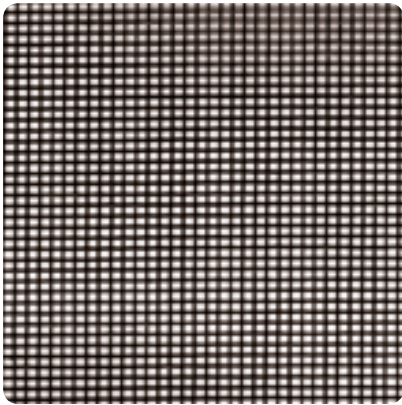
*All information subject to error and technical changes. Printed colours may deviate slightly, please refer to our fabric swatch for exact colours.*

AS: sun absorption in % • RS: sun reflection in % • TS: sun transmittance in % • TV: visible light transmission in % • g<sub>tot</sub> ext. with type C glazing • g<sub>tot</sub> ext. with type D glazing • Classification thermal comfort according to EN 14501

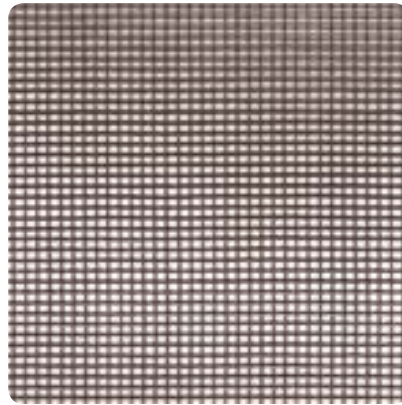
CF 1 = confection side 1, upper fabric sample range • CF 2 = confection side 2, bottom fabric sample range



Rensonscreen® Waterproof & Lagune®



ISR Charcoal



ISR Grey



Tuffscreen

For products with Fixscreen® technology it is possible (and useful) to use insect fabric. In this way the screen (in closed position) will be insect-proof.

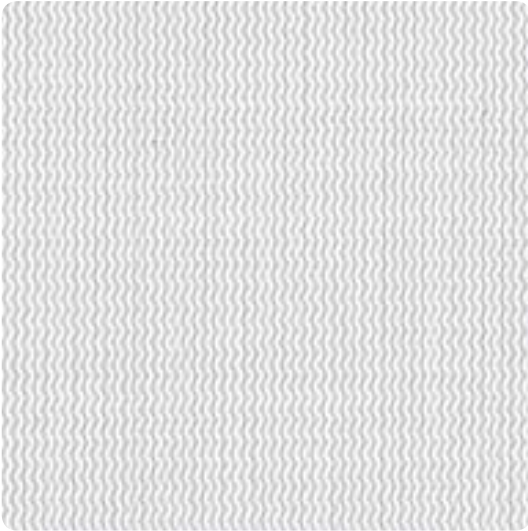
## Technical features of insect fabric

	Insect screen (ISR)	Tuffscreen
Composition	Glass fibre fabric (glass fibre 36 % - PVC 64%)	Polyester fabric (Polyester 28% - PVC 72%)
Weight	120 g/m <sup>2</sup>	240 g/m <sup>2</sup>
Mesh	18x16	17x13
Thickness	0,28 mm ± 0,05 mm	0,67 mm
Maintenance	water with mild soap	water with mild soap
Make-up	HF-welded (always with grey splicing tape)	HF-welded (always with grey splicing tape)
Hardness	Hard	Hard
Available width	2600 mm	3050 mm
Available colors	See colors above	Black



Insect fabric & Fixscreen® 100<sup>EVO</sup>

## Acrylic fabric



### Woven polyacrylic fabric or acrylic fabric

These fabrics are woven with polyacrylic yarn (polyacrylonitrile), coloured in bulk. The fibres are highly resistant to UV radiation. After weaving they undergo a chemical treatment, which makes them extra water repellent and better protected against dirt. The fabric pieces have a maximum width of about 120 cm and they are stitched together and seamed all round. The widths of the seams and overlaps may vary depending on the manufacturer and the specific application. These fabrics are ideal for all external sun blinds with the exception of vertical applications (not translucent).

**Collections:**  
DICKSON



*Acrylic fabric & Prestige®*

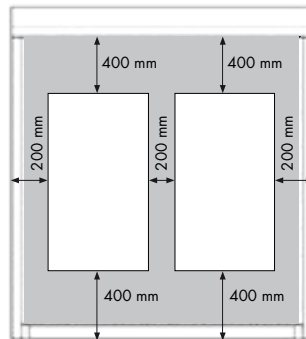
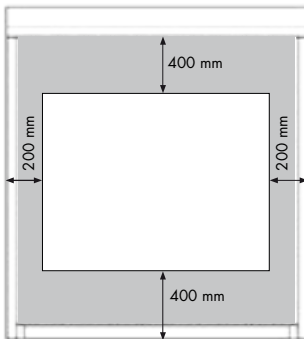


## Transparent fabric or Crystal fabric

In order to have optimal contact with the exterior, transparent Crystal fabric can be fitted in the Fixscreen 100<sup>EVO</sup> Slim F & Fixscreen 150<sup>EVO</sup> F. There exist various possibilities of positioning the crystal fabric, in which can be chosen between three types of windows:

- A window of 1200mm by 1200mm
- A window across the width of the screen and 1200mm high
- A window in the height of the screen and 1200mm wide

For each screen, maximum 2 crystal windows can be integrated. A minimum distance of 200 mm should be maintained at the sides and between the crystal windows. Between crystal windows and the top and bottom edges a distance of 400 mm should be maintained.



# Fabrics in RENSON® sun protection & terrace coverings

Type of fabric	Acryl fabric		Glass fibre				Polyester fabric		Blackout fabric		Renson® Exclusive			Insect fabric	
	Dickson®	Dickson® Orchestra Max	Sergé®	Naté	Métal	Privacy®	Soltis® 86	Soltis® 92	Satiné 21154	Soltis® B92	Rensonscreen®	Rensonscreen® Waterproof	Rensonscreen® Opaque	Insect screen	Tuffscreen
Vertical sunscreens															
Panovista® (Max)	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Slidefix®	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-
Fixscreen® 85	-	-	✓	✓	✓	✓	✓	✓	✓*	✓*	-	-	-	✓	-
Fixscreen® 100 <i>EVO</i>	-	-	✓	✓	✓	✓	✓	✓	✓*	✓**	-	-	-	✓**	✓
Fixscreen® 100 <i>EVO Slim</i>	-	-	✓	✓	✓	✓	✓	✓	✓*	✓**	-	-	-	✓**	✓
Fixscreen® 100 <i>EVO Slim Freestanding</i>	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	✓	-
Fixscreen® 150 <i>EVO</i>	-	-	✓	✓	✓	✓	✓	✓	✓*	✓**	-	-	-	✓**	✓
Fixscreen® 150 <i>EVO F Freestanding</i>	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	✓**	-
Fixvent® / Fixscreen® Mono AK <i>EVO</i>	-	-	✓	✓	✓	✓	✓	✓	-	✓**	-	-	-	✓**	✓
Miniscreen® 63/83/100	-	-	✓	✓	✓	✓	✓	✓	✓	✓**	-	-	-	-	-
Horizontal sunscreens															
Topfix®	-	-	-	-	-	-	✓	✓**	-	✓	✓**	-	-	-	-
Topfix® VMS	-	-	-	-	-	-	✓	✓**	-	-	✓**	-	✓	-	-
Topfix® Max	-	-	-	-	-	-	✓	✓**	-	✓	-	-	✓	-	-
Topfix® Max Freestanding	-	-	-	-	-	-	✓	✓**	-	-	-	✓	-	-	-
Vegascreen®	✓	✓	-	-	-	-	✓	✓	-	✓	-	-	-	-	-
Verandascreen®	✓	✓	-	-	-	-	✓	✓	-	✓	-	-	-	-	-
Prestige®	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Swingline®	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Terrace coverings															
Lagune® / Lapure® Rooffix	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
Lagune® Triangle	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Lagune® / Camargue® with integrated Fixscreen®	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Loggiascreen®	-	-	✓	✓	✓	✓	-	-	-	-	✓	-	-	-	-
Remarks: Applicable screens, see price list.															
* Exclusively for interior use.															
** See the price list for the limitations in dimensions.															

# Product characteristics of sun blind fabrics

## Watertightness

Woven polyacrylic fabrics and screen fabrics can never be completely watertight.

As with all tissues, there are small holes between the threads.

Polyacrylic fabrics are made resistant to water, dirt and oil by means of a treatment which is specially developed for external applications so that, under normal circumstances, water cannot ingress into the new fabric.

The surface tension makes drops of water slide off the fabric like a bead.

## Vertically suspended fabric, without spring tension

Where no tension system can be used, these fabrics are kept taut by the weight of the bottom rail. In suspended position these fabrics may therefore be susceptible to slight crinkling.

## The influence of wind

Wind affects fabric. Manufacturers cannot guarantee fabric tension systems to completely absorb the blowing or suction effect caused by the wind. In fact it is beneficial for the sun blind fabric to slightly give way under wind load in order to prevent tears in the fabric.

The best, most commonly used way to stow away the fabric compactly is by winding it on a round shaft. As previously mentioned, sun blinds are often very large while storage of the assembly in the smallest possible container is a commonly pursued objective. The selected winding shaft diameter is very important because this determines whether the shaft will bend or not. A minimum level of bending cannot be avoided.

Stripes may also appear at the point where the fabric is secured onto the winding shaft.

## Rot and mould free

All currently used sun blind fabrics are made of mineral plastic fibres. These tissues do not contain any biologically degradable elements, which makes them inert against rotting. Nevertheless hydrocultures may develop at spots which are exposed to humidity and these may create the basis for moss forming. Moss and mould can thus grow on the particles and impurities which are drawn into the fabric. This can even occur on polyacrylate fabrics which are in principle more resistant because of their special protective treatment. If the fabric is rolled up in humid condition, the humidity between and within the tissue is unable to dry up. In this situation the tissue might become enclosed and spots of mould might occur in the form of black dots. This is an irreversible effect: these spots cannot be removed. However, this has no effect whatsoever on the quality and function of the fabric and will not cause the fabric to rot.

If the fabric becomes wet due to an unexpected shower, you can wind up the fabric and later unwind it again to allow it to dry once the weather is better. Avoid having the wet fabric rolled up for more than three days to prevent formation of mould and spots.

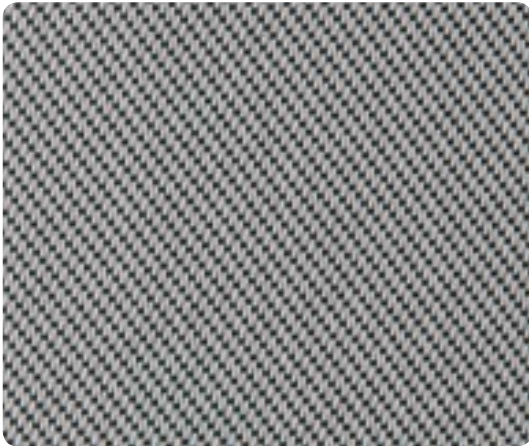
See also the user manual & warranty conditions



# Product characteristics of sun blind fabrics



Example make-up 1



Example make-up 2



Detail Fixscreen® side channel



Printed screen fabric

## Make-up

Fabrics are mechanically, thermally or ultrasonically cut. The fabrics are thermally or high-frequency welded.

## Confection side

Make-up 1 = top side of fabric sample  
= outer view of screen fabric

Make-up 2 = bottom side of fabric sample (in RENSON® fabric swatch)  
= outer view of screen fabric

## Weld

- The weld height is always calculated from the lowest point of the framework
- For typical glass fibre fabric: horizontal weld if height > 2700 mm
- For a limited selection: horizontal weld if height > 3200 mm
- For glass fibre darkening fabric:
  - Satiné 21154: horizontal weld if height > 2100 mm
- For Soltis® 86: horizontal weld if height > 1770 mm  
For a limited selection: horizontal weld if height > 2670 mm. Unless similar screens with horizontal weld up to 1770 mm are processed in the same project, in which case the horizontal weld for all screens is placed at 1770 mm for all screens.
- For Soltis® 92: horizontal weld if height > 1770 mm  
For a limited selection: horizontal weld if height > 2670 mm. Unless similar screens with horizontal weld up to 1770 mm are processed in the same project, in which case the horizontal weld for all screens is placed at 1770 mm for all screens.
- For Soltis® 93: horizontal weld if height > 2670 mm
- For Soltis® B92: horizontal weld if height > 1700 mm
- For Insect fabric: horizontal weld if height > 2400 mm
- For Rensonscreen®: horizontal weld if height > 3000 mm
- For Rensonscreen® Waterproof: horizontal weld if height > 1370 mm
- For Rensonscreen® Opaque: horizontal weld if height > 1450 mm

## Finish

- The fabric is fixed above and below with an extruded strip in a fabric hem or with a fixed strip (braid)
- Side edges of glass fibre fabrics are fixed by means of a seal band (transparent reinforcement band) in order to prevent fraying
- Side edges of wind resistant screens (cf. Fixscreen®) are provided with a symmetrical zipper (red or yellow zipper)

## Printing

- Possible according to own design e.g. with own logo or text

## Product characteristics of sun blind fabrics



# Maintenance & guarantee



*Glass fibre fabric & Miniscreen®*



*Soltis® B92-fabric & Fixscreen® 100 EVO*

## Maintenance guidelines

The system requires little maintenance but in order to enjoy your system for many years we advise the following:

- If the screen gets wet in an unexpected shower you can safely roll the screen up and subsequently, when the weather improves, unroll the screen again in order to let it dry. However, avoid keeping the wet screen rolled up for longer than three days, otherwise spots and mould can form.
- Before cleaning, remove loose dirt using a brush or Hoover. Then you can remove the remaining dirt with a cleaning product and lukewarm water (special cleaning products can be obtained from the installer). Always rinse the screen after cleaning. Avoid cleaning in bright sunshine; rapid drying of soapy water can leave spots on the screen. Do not use any aggressive scouring agents.
- Hinged or rotating parts need to be lubricated annually; use a dry lubricant (Teflon).
- As the manufacturer, we recommend that your installation undergo regular technical review by the installer:
  - Annually in the case of commercial buildings.
  - Every 4 years in the case of residential sun protection.
- Always use original manufacturer's products.
- See our User Guide.



*Glass fibre fabric & Fixscreen® 100 EVO*

## Guarantee

All materials used by us are of high quality and suitable for the intended purpose. As the manufacturer, we offer the following guarantees:



- 7 year guarantee on the Fixscreen® technology\*:
  - zip remains in side channel
  - optimal attachment of zip to the screen



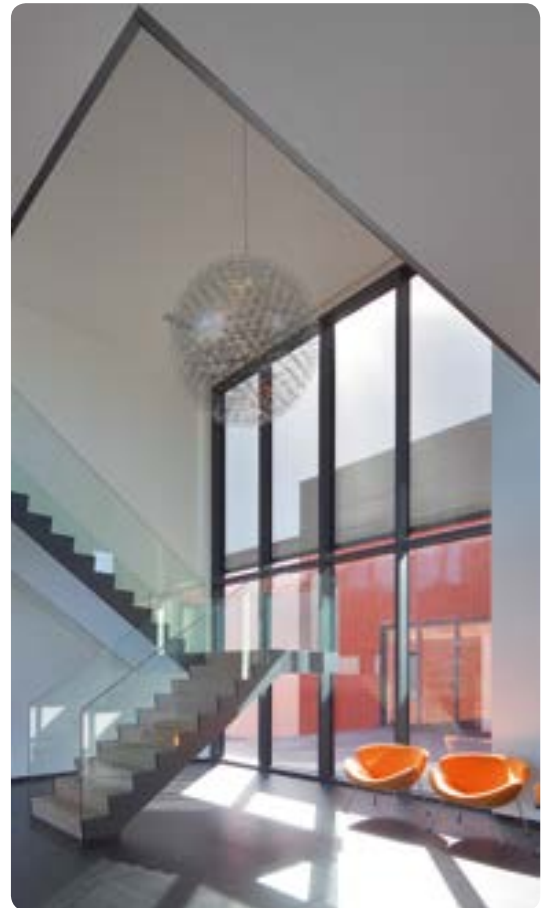
- 5 year guarantee on all faults which can occur during normal use and maintenance.
- 5 year guarantee on the screen collection:
  - 10 year guarantee on acrylic screen
  - 2 year guarantee on crystal screen

The guarantee period starts from the date of production and applies exclusively to the actual product, not its installation.

The guarantee is only valid if the product is used and maintained in accordance with the guide-lines in the User Guide. In case of incorrect or abnormal use the guarantee is void.

When reporting problems, please always quote your serial number to your installer.

\* See also our guarantee conditions.





## Creating healthy spaces

### RENSON®: your partner in ventilation and sun protection

RENSON®, headquartered in Waregem (Belgium), is a trendsetter in Europe in natural ventilation and sun protection.

- **Creating healthy spaces**

From 1909, we've been developing energy efficient solutions assuring a healthy and comfortable indoor climate.

Our remarkable headquarters - built according to the 'Healthy Building Concept' - is a beautiful example portraying our corporate mission.

- **No speed limit on innovation**

A multidisciplinary team of more than 70 R&D employees continually optimize our products and develop new and innovative concepts.

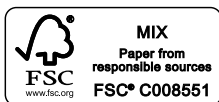
- **Strong in communication**

Contact with the customer is of the utmost importance. A group of 70 in-the-field employees worldwide and a powerful international distribution network are ready to advise you on site. EXIT5 at Waregem gives you the possibility to experience our products on your own and provides necessary training for installers.

- **A reliable partner in business**

We can guarantee our customers optimal quality and service thanks to our environmentally friendly and modern production sites (with automated powder coating line, anodisation line, plastic injection moulding and mold making shop) covering an area of 95.000 m<sup>2</sup>.

Dealer



RENSON® reserves the right to make technical changes to the products shown.  
The latest brochures may be downloaded from [www.renson.eu](http://www.renson.eu)

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Creating healthy spaces

