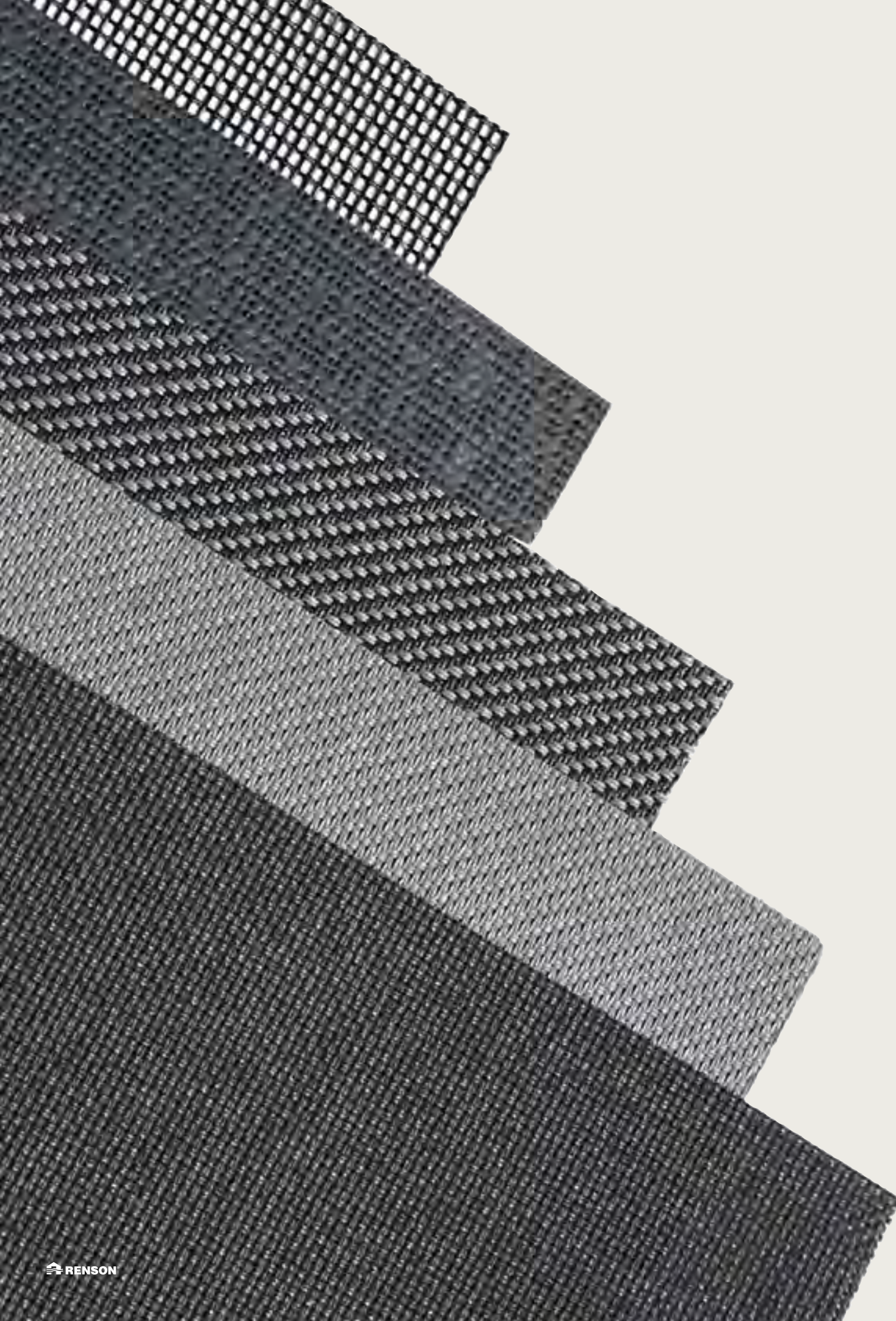




FABRIC RANGE

How do I choose a fabric?	182
Fabric range	
Fibre glass fabric	191
Polyester fabric Soltis	196
Tuffscreen	200
Crystal fabric	202
Customised print	203

HOW DO I CHOOSE A FABRIC?

In addition to their functional role, blocking the sun, screen fabrics also have a decorative aspect. This ensures that they align seamlessly with the home's architecture. In addition, all fabrics have an exceptionally long lifespan and keep insects out. We distinguish fabrics based on transparency and light transmission, with a wide range of secondary options. Thanks to their specific characteristics and extensive colour palette, there is a suitable fabric type for every application.



Screen selector
Try our digital & interactive
screen selector online

1

What is the application of the screen?

A particular fabric sun protection chosen depending on the application. Not all fabrics can be used in all products, so this can already be a first step in selecting the desired fabric. For example, we recommend fibre glass fabrics for the Fixscreen, while polyester fabrics are chosen for a Topfix.

Transparent sun protection fabric								Transparent sun protection fabric	Insect-proof fabric	Blackout fabric		
Fibre glass fabric*				Polyester fabric				Polyester fabric		Fibre glass fabric	Polyester fabric	
Sergé	Natté	Privacy	Soltis®Veozip	Soltis® Horizon 86	Soltis® Perform 92			Soltis® Proof W96	Tuffscreen	Satiné 21154	Soltis® Opaque B92	
Vertical sun protection	Fixscreen®	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	Fixscreen®
	Fixscreen® Freestanding	✓	✓	✓	✓	-	-	-	✓	-	-	Fixscreen® F
	Fixscreen® Minimal	✓	✓	✓	-	-	-	-	✓	✓	-	Fixscreen® Minimal
	Fixscreen® Minimal Freestanding	✓	✓	✓	-	-	-	-	✓	-	-	Fixscreen® Minimal F
	Fixvent® / Fixscreen® Mono AK	✓	✓	✓	-	✓	✓	-	✓	✓	✓	Fixvent®/Fixscreen® Mono AK/UT
	Panovista® (Max)	✓	✓	✓	-	-	-	-	-	-	-	Panovista® (Max)
Horizontal sun protection	Topfix®	-	-	-	-	✓	✓	-	-	-	✓	Topfix®
	Topfix® VMS	-	-	-	-	✓	✓	-	-	-	-	Topfix® VMS
	Topfix® Max	-	-	-	-	✓	✓	-	-	-	✓	Topfix® Max
	Topfix® Max Freestanding	-	-	-	-	✓	✓	✓	-	-	-	Topfix® Max F
	Vegascreen®	-	-	-	-	✓	✓	-	-	-	✓	Vegascreen®

* Option crystal window in the full width on page 202

NOTE
For the limitations in dimensions (see product pages) and the table for inclination angle fabrics (see page 184).

- !

Did you know?
- A fabric in a dark colour offers the best view through to the outside?
 - A fabric in a lighter colour reflects more sunrays than one in a darker colour?
 - A fully blackout fabric is the best choice for your bedrooms?
 - Fibre glass & polyester fabrics can be printed for extra personalisation?
 - An insect mesh repels insects but offers little sun protection?

INCLINATION ANGLE FABRICS

HORIZONTAL SUN PROTECTION

			Polyester fabric				Fibre glass
			Soltis® Horizon 86	Soltis® Perform 92	Soltis® Opaque B92	Soltis® Proof W96	
INCLINATION ANGLE*	WIDTH	PROJECTION	Sun protection (water-repellent depending on fabric type)				
Topfix®							
H ≤ 8°	W ≤ 4000 mm	U ≤ 3000 mm	✓	-	-	-	-
8° < H ≤ 20°	W ≤ 4000 mm	U ≤ 1500 mm	✓	✓	✓	-	-
	W ≤ 1250 mm	1500 < U ≤ 3000 mm	✓	✓	✓	-	-
	1250 < W ≤ 4000 mm		✓	✓	-	-	-
H > 20°	W ≤ 4000 mm	U ≤ 3000 mm	✓	✓	✓	-	-
Topfix® VMS							
H ≤ 8°	W ≤ 4000 mm	U ≤ 3000 mm	✓				
H > 8°	W ≤ 4000 mm	U ≤ 3000 mm	✓	✓			
Topfix® Max							
H ≤ 8°	W ≤ 5000 mm	U ≤ 6000 mm	✓				
8° < H ≤ 15°	W ≤ 4000 mm	4000 < U ≤ 6000 mm	✓	✓	✓		
	4000 < W ≤ 5000 mm		✓				
H > 15°	W ≤ 5000 mm	U ≤ 6000 mm	✓	✓	✓		
	W ≤ 6000 mm	U ≤ 5000 mm	✓				
Topfix® Max F							
H ≤ 6°	W ≤ 5000 mm	U ≤ 6000 mm	✓				
6° < H ≤ 7°	W ≤ 2000 mm	U ≤ 5000 mm	✓	✓			
	W ≤ 5000 mm	U ≤ 6000 mm	✓				
7° < H ≤ 8°	W ≤ 3000 mm	U ≤ 5000 mm	✓	✓			
	W ≤ 5000 mm	U ≤ 6000 mm	✓				
8° < H ≤ 9°	W ≤ 2000 mm	U ≤ 5000 mm	✓	✓		✓	
	W ≤ 4000 mm	U ≤ 6000 mm	✓	✓			
	4000 < W ≤ 5000 mm		✓				
9° < H ≤ 10°	W ≤ 3000 mm	U ≤ 5000 mm	✓	✓		✓	
	W ≤ 4000 mm	U ≤ 6000 mm	✓	✓			
	4000 < W ≤ 5000 mm		✓				
10° < H ≤ 11°	W ≤ 3000 mm	U ≤ 5000 mm	✓	✓		✓	
	W ≤ 4000 mm	U ≤ 6000 mm	✓	✓		✓	
	4000 < W ≤ 5000 mm		✓				
11° < H ≤ 13°	W ≤ 4000 mm	U ≤ 6000 mm	✓	✓		✓	
	4000 < W ≤ 5000 mm		✓			✓	
H > 13°	W ≤ 5000 mm	U ≤ 6000 mm	✓			✓	
	W ≤ 6000 mm	U ≤ 5000 mm	✓			✓	

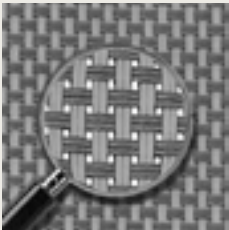
Note: The less the inclination, the greater the possible sag of the fabric
Width > 4000 mm => High risk of wrinkling

2

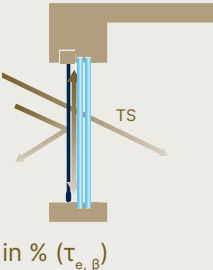
What requirements must the screen satisfy?

Different fabric types, colours, weaves... everything has an impact on the technical properties of the fabric. That is why it is important to have a clear idea of what requirements the fabric must satisfy. This again depends on both the building type and the application as well as the use of the space. For instance, the thermal value achieved by a fabric, a certain fire-resistance, the influence of visual parameters, etc. can be decisive.

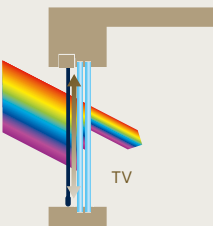
1. TECHNICAL VALUES OF A FABRIC



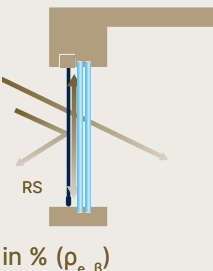
Opening factor (OF)
The larger the opening factor, the greater the light transparency and the better the view through to the inside or outside.



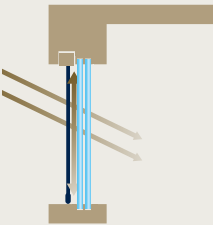
Solar transmittance factor (TS)
Percentage of incident energy passing through the fabric.



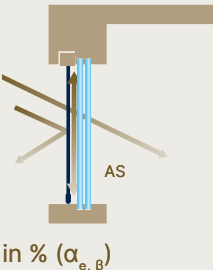
Light transmittance factor (TV)
The greater the light transmittance factor, the more light comes through the fabric and the higher the light intensity level (lux) in the room.



Sun reflection factor (RS)
Percentage of incident energy reflected by the fabric.



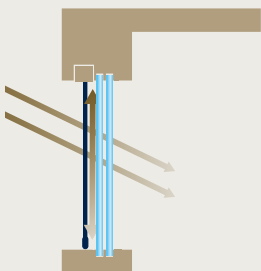
Shading coefficient (gtot)
The total percentage of energy that comes inside through a window with sun protection.



Solar absorption factor (AS)
Percentage of incident energy absorbed by the fabric.

TS + RS + AS = 100% of the incident energy (τ_{e,β} + ρ_{e,β} + α_{e,β} = 1)

2. THERMAL COMFORT



Solar gain control is expressed by the value g_{tot} or total solar factor. This value is the total percentage of energy that comes inside through a window with sun protection. It therefore reflects how efficient the fabric sun protection is. The g_{tot} value of fabric sun protection in combination with type C glazing can be classified according to the table below.

Glazing type C 4/16/4 low-emission double glazing
 $U = 1.2W/m^2K$
 $g_g = 0.59$

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 addition, the g_{tot} value is also given in each case in the case of fabric sun protection in combination with type D glazing.

Glazing type D Reflective 4/16/4 low-emission double glazing
 $U = 1.1W/m^2K$
 $g_g = 0.32$

In addition to these values, the reduction factor F is also used. This reduction factor is a measure of the fraction of solar energy left only by the sun protection.

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

Ter info: All our fabric sun protections are listed in the EPB database. This database is coupled to the EPB software 3G. This allows the g_{tot} value to be calculated automatically.

! Opt for thermal comfort and avoid overheating indoors

- A dark fabric blocks heat better
- A fabric with a small opening factor blocks heat better



* Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

3. VISUAL COMFORT

A. Visual contact with the outside

The degree to which a person inside (at 1 m from the fully lowered fabric sun protection) can distinguish a person or object on the outer side (at 5 m from the fabric sun protection). Visual contact with outside can be classified from 0 to 4 according to the table below.

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



B. Using natural daylight

- Sun shading capacity to reduce the time when artificial lighting is required
- Sun shading capacity to make best use of available daylight

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



C. Glare

- Reduce light contrasts between different areas in the field of vision
- Avoid annoying reflections on screens due to window luminance

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



D. Privacy at night

Capacity of exterior sun protection, when fully closed or lowered, to shield persons from view.

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



! Opt for visual comfort and still be able to see outside

- A light fabric lets more natural daylight inside
- A fabric with a small opening factor:
 - Offers more privacy
 - Lets less light inside
 - Is better against glare



* Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

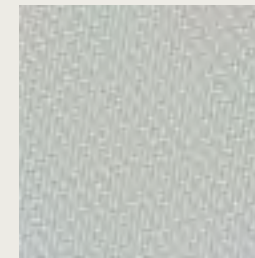
3

What are the customer's personal preferences?

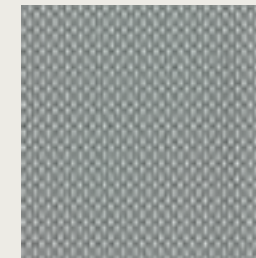
There's no disputing tastes and colours. So it's fortunate that the range of colours and weave patterns is incredibly extensive. The aesthetics of the fabric (colour, weave pattern, confection side, etc.) have an impact on its functionality. The effect will vary slightly each time. Mix and match to find the perfect solution!

WEAVE PATTERN

The look of a fabric is likely to be an important factor in your choice. Aside from colour, the weave pattern also plays a major role. Multiple options are available in fibre glass fabrics, such as tighter weaves or straight weaves.



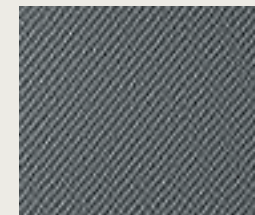
Sergé



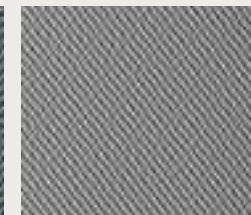
Natté

CONFECTION SIDE

All fabrics have two sides. Confection side 1 is the top side of the fabric sample in the Renson® fabric sampler. This is how the screen fabric appears from the outside. Confection side 2 is the bottom side of the fabric sample in the Renson® fabric sampler. The confection sides are indicated on all technical drawings.



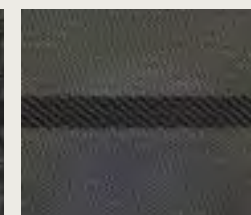
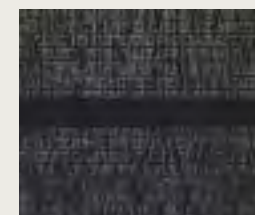
Confection 1 example



Confection 2 example

WELDED SEAM & FABRIC DIRECTION

If both the width and height exceed the size of the fabric set: a welded seam will be visible so that both fabric parts can be Coupled together. The position of this welded seam differs from fabric to fabric and depends on the dimensions of the fabric. The height of the welded seam is always calculated from the lowest point of the framework. Renson® always tries to manufacture your fabric with the least amount of welded seams possible. This means that, per order, we look to see if it is possible to turn the fabrics so that they can be manufactured without any heat-sealed seams.



! Note!

If the order concerns a follow-up order, then subsequently, it is important that this is indicated. This ensures Renson® can guarantee that the same fabric direction is used as in the first order.

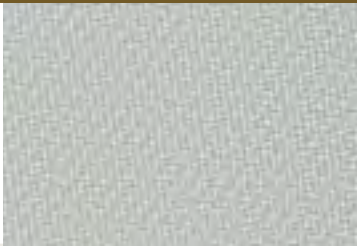
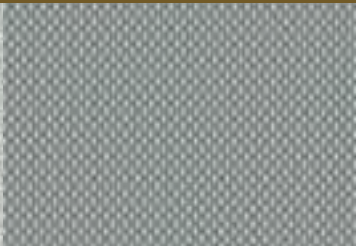
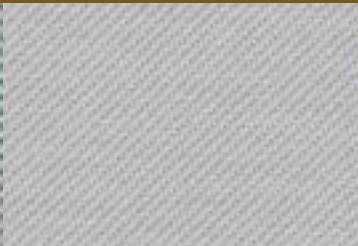


Example of the impact of your fabric colour choice on your environment

FIBRE GLASS FABRIC

Sergé, Natté, Privacy

Fibre glass fabrics are made of woven glass fibres with a PVC coating and are available in many colours. Fibre glass fabrics keep their shape and are resistant to humidity and heat, rot-proof and colour-fast. They guarantee a perfect view of the outside world while preventing others from looking in during daylight hours.

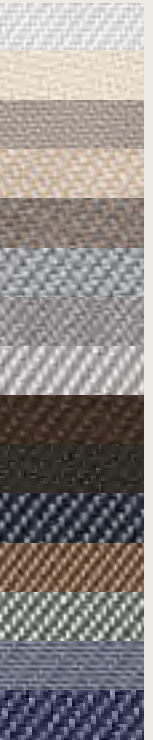
Technical properties			
	Sergé	Natté	Privacy
			
Composition	Glass fibre (42 %) with PVC coating (58 %)		
Available width	From 1350 mm to 2700 mm Limited selection available up to 3200 mm	2500 mm Limited selection available up to 3200 mm	2700 mm
Fire class	Euroclass NF EN 13501-1 (EU): c-s3 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): c-s3 d0 (1 mounted according to EN 13823 & EN 14716) NF P 92-503 (FR): M1 DIN 4102-1 (DE): B1 NF F16-101 (FR): F3	Euroclass NF EN 13501-1 (EU): c-s3 d0 (1 mounted according to EN 13823 & EN 14716) DIN 4102-1 (DE): B1 NF P 92-503 (FR): M1 NF F16-101 (FR): F3
Lightfastness	Grade 7 – ISO105 B 02	Grade 7-8 – ISO105 B02	Grade 7 – ISO105 B 02
Thickness	approx. 0.55 mm – EN ISO 5084	approx. 0.53 mm – EN ISO 2286 – 3	approx. 0.80 mm – ISO 5084
Weight	approx. 535 g/m² – NF 12127	approx. 560 g/m² – EN ISO 2286 – 2	approx. 620 g/m² – NF EN 12127
Tearing strength warp	8.5 daN – EN ISO 4674-1	≥ 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	6.20 daN – ISO 4674-1
Breaking strength warp	> 260 daN/5 cm – EN ISO 1421	> 220 daN/5 cm – EN ISO 1421	> 321 daN/5cm – EN ISO 1421
Breaking strength weft	> 225 daN/5 cm – EN ISO 1421	> 200 daN/5 cm – EN ISO 1421	> 277 daN/5 cm – EN ISO 1421
Opening factor	5%	3%	1%

SERGÉ FIBRE GLASS FABRIC

Colours with corresponding RAL colours													
Ref.	RAL Equivalent		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
							C	D					
SC0202 (+)	9003	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					
SC2020 (+)	1015	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					
SC4949	9006	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					
SC0707	7038	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					
SC0101 (+)	7037	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					
SC1111	7048	CF1	77.0	18.0	5.0	6.0	0.10	0.09	3	2	1	3	2
		CF2	77.0	18.0	5.0	6.0	0.10	0.09					
SC5959 (NEW)	7016	CF1	87.1	6.7	6.2	6.2	0.11	0.09	4	2	1	3	2
		CF2	87.1	6.7	6.2	6.2	0.11	0.09					
SC3030 (+)	7021	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					
SC6060 (NEW)	9005	CF1	92.0	4.0	4.0	5.9	0.09	0.07	3	2	1	3	2
		CF2	92.0	4.0	4.0	5.9	0.09	0.07					



Other colours												
Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
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					
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					
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					
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	3				
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	3				
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					
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					
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					
SC1011 (+)	CF1	87.4	6.5	6.1	6.1	0.09	0.07	4	3	1	1	1
	CF2	87.9	6.0	6.1	6.1	0.09	0.07					
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					
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					
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					
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					
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					



Subject to mistakes and technical changes.

The colours printed here may differ slightly than the actual colours.

Please refer to our fabric swatch for exact colours.

RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • g_{tot} ext. in the case of glazing type C according to NBN EN ISO52022-1 • g_{tot} ext. in the case of glazing type D according to NBN EN ISO52022-1 • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

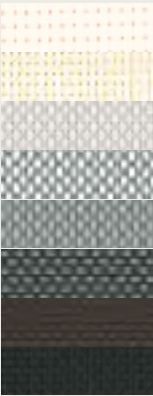
CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

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

NATTÉ FIBRE GLASS FABRIC

A Natté fibre glass fabric is fabric with a perpendicular weave pattern.

Ref.	RAL Equi- valent		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual con- tact with the outside	Using natu- ral daylight	Glare	Privacy at night
							C	D					
N-0202 (+)	9003	CF1	11	70	19	18	0.13	0.09	3	1	2	1	2
N-0220 (+)		CF2											
N-0207 (+)		CF1	21	62	17	14	0.13	0.09	3	1	2	1	2
N-0201 (+)		CF2											
N-0701 (+)		CF1	34	53	13	11	0.12	0.08	3	1	2	1	2
N-3001 (+)		CF2											
N-3006 (+)		CF1	47	44	9	6	0.10	0.08	3	2	1	1	2
N-3030 (+)		CF2											
N-0201 (+)		CF1	62	30	8	6	0.11	0.08	3	2	1	2	2
N-3001 (+)		CF2											
N-3006 (+)		CF1	85	12	3	3	0.10	0.08	3	2	1	3	2
N-3030 (+)		CF2											
N-3006 (+)		CF1	89	8	3	3	0.10	0.09	3	2	1	3	2
N-3030 (+)		CF2											
N-3030 (+)	7021	CF1	91	6	3	3	0.09	0.08	4	2	1	3	2
N-3030 (+)		CF2											



Subject to mistakes and technical changes.
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RAL equivalent for orientation • AS: solar absorption factor in % • RS: solar reflection factor in % • TS: solar transmittance factor in % • TV: light transmittance factor in % • g_{tot} ext. for glazing type C • g_{tot} ext. for glazing type D • Classification of thermal and visual comfort according to NBN EN 14500 & NBN EN 14501

CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler
(+): Extra fabric width of 3200 mm for a selection of colours.

These colours are based on the latest trends in the interior design, exterior design and architecture world.

Architects' selection												
Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual con- tact with the outside	Using natu- ral daylight	Glare	Privacy at night
						C	D					
SC3131	CF1	75.0	17.9	7.1	7.0	0.11	0.09	3	3	1	1	1
SC3231 (+)	CF2											
SC3231 (+)	CF1	70.4	22.5	7.1	6.6	0.11	0.09	3	3	1	1	1
SC3232 (+)	CF2											
SC3232 (+)	CF1	63.8	27.9	8.3	7.4	0.11	0.09	3	3	1	1	1
SC3301 (+)	CF2											
SC3301 (+)	CF1	74.7	17.0	8.3	8.0	0.12	0.10	3	3	1	1	1
SC3332 (+)	CF2											
SC3332 (+)	CF1	67.5	24.7	7.8	7.3	0.11	0.09	3	3	1	1	1
SC3333 (+)	CF2											
SC3333 (+)	CF1	72.4	20.5	7.1	6.8	0.11	0.09	3	3	1	1	1
SC3333 (+)	CF2											

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CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler (+): Extra fabric width of 3200 mm for a selection of colours.



PRIVACY FIBRE GLASS FABRIC

A Privacy (Sergé 1%) fibre glass fabric is a fabric with an openness factor of just 1%. This fabric offers privacy without restricting the view outside.

Ref.	RAL Equivalent		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
							C	D					
P-0202	9003	CF1	15.9	71.3	12.8	12.9	0.09	0.06	4	1	2	1	2
P-2020 (P-0808)	1015	CF1	39.9	54.2	5.9	3.7	0.06	0.04	4	2	1	2	2
		CF2											
P-0707	7038	CF1	60.3	36.9	2.8	2.1	0.05	0.04	4	2	0	3	2
P-0207		CF2											
		CF1	45.9	48.8	5.3	4.3	0.08	0.06	4	2	1	2	2
P-0101	7037	CF2	36.2	58.5									
		CF1	80.2	17.4	2.4	2.2	0.06	0.05	4	2	0	3	2
P-0102		CF2	53.0	44.8	2.2	2.0	0.06	0.05	4	2	0	3	2
		CF1	66.6	31.2									
P-0606 (P-1111)		CF2	90	8.6	1.4	1.3	0.06	0.05	4	2	0	3	2
		CF1	88.3	10.5	1.2	1.2	0.09	0.08	4	2	0	3	2
P-0130		CF2	84.8	14.0									
		CF1	93	5.9	1.1	1.1	0.06	0.05	4	2	0	3	2
P-3030 (P-1010)		CF2											

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CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler



Ref.	RAL Equivalent		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
							C	D					
GVV 0101		CF1	79	21	0	0	0.03	0.02	4	0	0	4	4
GVV 0102		CF1	59	41	0	0	0.02	0.02	4	0	0	4	4
GVV 0210		CF1	48	52	0	0	0.02	0.02	4	0	0	4	4
GVV 0202		CF1	31	69	0	0	0.01	0.01	4	0	0	4	4
GVV 0707		CF1	63	37	0	0	0.02	0.02	4	0	0	4	4
GVV 2020	7038	CF1	45	55	0	0	0.02	0.02	4	0	0	4	4
GVV 3030	7021	CF1	93	7	0	0	0.03	0.03	4	0	0	4	4

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BLACKOUT FIBRE GLASS FABRIC

This fibre glass fabric consists of a standard fibre glass fabric with a blackout PVC coating.

Technical properties	Satiné 21154
Composition	Glass fibre (28%) with PVC (72%)
Available width	2100 mm
Fire class	NF P 92-503 (FR): M1
Lightfastness (ISO2286-3)	Grade 7/8
Thickness (ISO2286-3)	0.75 mm
Weight (ISO2286-2)	660 g/m²
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%



POLYESTER FABRIC SOLTIS®

Screen fabrics made of coated pre-tensioned polyester fabric

This fabric is made from high tensile polyester yarn and consists of a fine mesh fabric that is PVC-coated using the Precontraint technique. This creates an extremely stable fabric that will deform very little under stress. The fabric meets the specified requirements with high fabric tension combined with low sag and is therefore naturally well suited for large areas. The fabric is used for both horizontal and vertical applications, where transparency is a must.

Technical properties	Soltis Veozip	Soltis Horizon 86	Soltis Perform 92	Soltis Opaque B92 blackout fabric	Soltis Proof W96 waterproof fabric
					
Available width	3200 mm	1770/2670 mm	1770/2670 mm	1700 mm	2670 mm
Fire class	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-507 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M1	Euroclass NF EN 13501-1 (EU): b-s2 d0 NF P 92-503 (FR): M2	NF P 92-503 (FR): M1
Thickness (EN ISO 2286-3)	approx. 0.90 mm	approx. 0.43 mm	approx. 0.45 mm	approx. 0.60 mm	approx. 0.56 mm
Weight (EN ISO 2286-2)	approx. 600 g/m²	approx. 380 g/m²	approx. 420 g/m²	approx. 650 g/m²	approx. 620 g/m²
Tearing strength warp (DIN 53.363)	25 daN	45 daN	45 daN	45 daN	25 daN
Tearing strength weft (DIN 53.363)	25 daN	20 daN	20 daN	25 daN	20 daN
Breaking strength warp (EN ISO 1421)	250 daN/5 cm	230 daN/5 cm	310 daN/5 cm	330 daN/5 cm	220 daN/5 cm
Breaking strength weft (EN ISO 1421)	170 daN/5 cm	160 daN/5 cm	210 daN/5 cm	220 daN/5 cm	220 daN/5 cm
Opening factor	5%	14%	3%	0%	4-5%

POLYESTER FABRIC SOLTIS® VEOZIP

A polyester fabric with a natural look and feel thanks to the use of hemp yarn. Thanks to its opening factor, the fabric offers an optimal balance between outside visibility on the one hand and glare protection on the other.

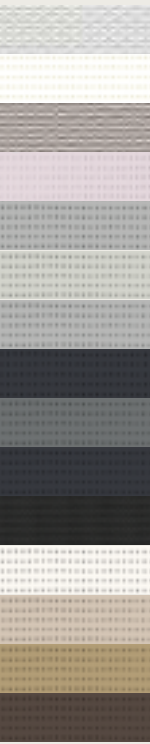
Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
VZ-51184	CF	32.0	59.0	9.0	8.0	0.07	0.04	4	2	1	1	2
VZ-51185	CF	41.0	50.0	9.0	8.0	0.07	0.04	4	3	1	0	1
VZ-51186	CF	57.0	37.0	6.0	6.0	0.06	0.04	4	2	1	1	2
VZ-51187	CF	56.0	37.0	7.0	7.0	0.06	0.04	4	3	1	0	1
VZ-51194	CF	88.0	7.0	5.0	5.0	0.06	0.04	4	2	1	1	2
VZ-51198	CF	90.0	5.0	5.0	5.0	0.06	0.04	4	2	1	1	2



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POLYESTER FABRIC SOLTIS® HORIZON 86

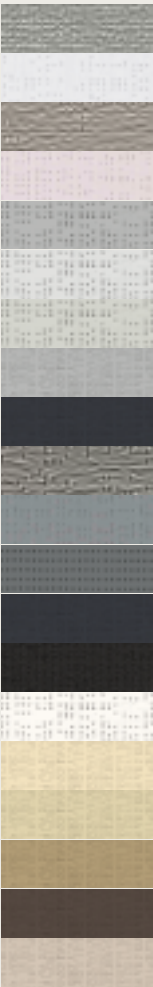
Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
S86-2051 (+)	CF1	40.0	40.0	20.0	20.0	0.17	0.12	2	3	2	0	0
	CF2	20.0	60.0	20.0	20.0	0.15	0.10	2	3	2	0	0
S86-2046 (+)	CF1	36.0	43.0	21.0	20.0	0.17	0.13	2	3	2	0	0
	CF2	22.0	57.0	21.0	20.0	0.16	0.11	2	3	2	0	0
S86-2048	CF1	42.0	39.0	19.0	19.0	0.16	0.12	2	4	2	0	0
S86-2171 (+)	CF1	42.0	39.0	19.0	17.0	0.16	0.13	2	4	2	0	0
	CF2	42.0	39.0	19.0	17.0	0.16	0.13	2	4	2	0	0
S86-2068	CF1	49.0	35.0	16.0	15.0	0.15	0.12	2	4	2	0	0
	CF2	77.0	7.0	16.0	15.0	0.17	0.14	2	4	2	0	0
S86-2167 (+)	CF1	68.0	17.0	15.0	14.0	0.16	0.13	2	4	2	0	0
	CF2	68.0	17.0	15.0	14.0	0.16	0.13	2	4	2	0	0
S86-2047 (+)	CF1	78.0	7.0	15.0	15.0	0.17	0.14	2	4	2	0	0
	CF2	78.0	7.0	15.0	15.0	0.17	0.14	2	4	2	0	0
S86-51176 (NEW)	CF1	81.0	5.0	14.0	14.0	0.10	0.07	2	4	2	0	0
S86-2044 (+)	CF1	12	59	29	28	0.20	0.14	2	3	2	0	0
	CF2	12	59	29	28	0.20	0.14	2	3	2	0	0
S86-2135 (+)	CF1	39.0	41.0	20.0	17.0	0.16	0.13	2	3	2	0	0
	CF2	39.0	41.0	20.0	17.0	0.16	0.13	2	3	2	0	0
S86-2012 (+)	CF1	55.0	27.0	18.0	16.0	0.17	0.12	2	4	2	0	0
	CF2	55.0	27.0	18.0	16.0	0.17	0.12	2	4	2	0	0
S86-2043 (+)	CF1	74.0	11.0	15.0	15.0	0.16	0.13	2	4	2	0	0
	CF2	74.0	11.0	15.0	15.0	0.16	0.13	2	4	2	0	0



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POLYESTER FABRIC SOLTIS® PERFORM 92

Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
S92-2051 (+)	CF1	41.0	47.0	12.0	11.0	0.12	0.08	3	1	1	1	2
	CF2	21.0	67.0	12.0	11.0	0.10	0.07	3	1	1	1	2
S92-2046 (+)	CF1	43.0	48.0	9.0	8.0	0.10	0.09	3	1	1	1	2
	CF2	28.0	63.0	9.0	8.0	0.08	0.07	4	1	1	1	2
S92-2048 (+)	CF1	46.0	46.0	8.0	8.0	0.09	0.07	4	1	1	1	2
	CF2	46.0	46.0	8.0	8.0	0.09	0.07	4	1	1	1	2
S92-50272 (+)	CF1	33.0	55.0	12.0	9.0	0.11	0.08	3	1	1	1	2
	CF2	33.0	55.0	12.0	9.0	0.11	0.08	3	1	1	1	2
S92-2171 (+)	CF1	51.0	41.0	8.0	6.0	0.10	0.08	3	2	1	2	2
	CF2	51.0	41.0	8.0	6.0	0.10	0.08	3	2	1	2	2
S92-2068	CF1	62	34	4	4	0.08	0.07	4	2	1	3	2
	CF2	88	8	4	4	0.10	0.09	3	2	1	3	2
S92-2074 (+)	CF1	60.0	37.0	3.0	4.0	0.07	0.07	4	2	1	3	2
	CF2	72.0	25.0	3.0	4.0	0.08	0.08	4	2	1	3	2
S92-2167 (+)	CF1	78.0	19.0	3.0	3.0	0.09	0.09	4	2	1	3	2
	CF2	78.0	19.0	3.0	3.0	0.09	0.09	4	2	1	3	2
S92-2047 (+)	CF1	87	8	5	5	0.11	0.09	3	2	1	3	2
	CF2	87	8	5	5	0.11	0.09	3	2	1	3	2
S92-51176 (NEW)	CF1	92.0	5.0	3.0	3.0	0.04	0.03	3	2	1	3	2
S92-2044 (+)	CF1	13.0	68.0	19.0	17.0	0.14	0.09	3	1	2	1	2
	CF2	13.0	68.0	19.0	17.0	0.14	0.09	3	1	2	1	2
S92-2175 (+)	CF1	16	65	19	17	0.14	0.10	3	1	2	1	2
	CF2	16	65	19	17	0.14	0.10	3	1	2	1	2
S92-50265 (+)	CF1	42	49	9	6	0.10	0.07	3	2	1	2	2
	CF2	42	49	9	6	0.10	0.07	3	2	1	2	2
S92-2012 (+)	CF1	63	30	7	6	0.10	0.08	3	2	1	3	2
	CF2	63	30	7	6	0.10	0.08	3	2	1	3	2
S92-2043 (+)	CF1	83	13	4	4	0.10	0.09	3	2	1	3	2
	CF2	83	13	4	4	0.10	0.09	3	2	1	3	2
S92-2135 (+)	CF1	45	46	9	6	0.10	0.08	3	2	1	1	2
	CF2	45	46	9	6	0.10	0.08	3	2	1	1	2



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CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler
(+): Extra fabric width of 2670 mm for a selection of colours.

POLYESTER FABRIC SOLTIS® PROOF W96

This polyester fabric is woven using the Précontraint technique and a waterproof, translucent coating has been applied to it.

Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
W96-1103	CF1	16	67	17	16	0.13	0.09	3	0	2	2	4
	CF2	16	67	17	16	0.13	0.09	3	0	2	2	4
W96-8102	CF1	12	71	17	17	0.12	0.08	3	0	2	2	4
	CF2	12	71	17	17	0.12	0.08	3	0	2	2	4
W96-8861	CF1	24	63	13	9	0.11	0.08	3	0	1	2	4
	CF2	24	63	13	9	0.11	0.08	3	0	1	2	4
W96-2171	CF1	39	52	9	4	0.09	0.07	4	0	1	2	4
	CF2	39	52	9	4	0.09	0.07	4	0	1	2	4
W96-2047	CF1	86	11	3	3	0.1	0.08	4	0	1	3	4
	CF2	86	11	3	3	0.1	0.08	4	0	1	3	4



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BLACKOUT POLYESTER FABRIC SOLTIS® OPAQUE B92

A blackout fabric sun protection is the ideal solution for bedrooms, whether installed inside or outside.

Ref.		AS	RS	TS	TV	g _{tot} ext.		Thermal comfort C	Visual contact with the outside	Using natural daylight	Glare	Privacy at night
						C	D					
B92-2135	CF1	53	47	0	0	0.05	0.04	4	0	0	4	4
B92-2171	CF1	55	45	0	0	0.05	0.05	4	0	0	4	4
B92-1043	CF1	87	13	0	0	0.08	0.07	4	0	0	4	4
B92-1044	CF1	30	70	0	0	0.03	0.02	4	0	0	4	4
B92-1045	CF1	62	38	0	0	0.05	0.05	4	0	0	4	4
B92-1046	CF1	51	49	0	0	0.05	0.04	4	0	0	4	4
B92-51176 (NEW)	CF1	94	6	0	0	0.02	0.02	4	0	0	4	4



Subject to mistakes and technical changes.
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CF1 = Confection side 1, top side of fabric sampler • CF2 = Confection side 2, bottom side of fabric sampler

TUFFSCREEN

Insect fabric

For products with Fixscreen-technology, it is possible (and useful) to use an insect mesh. Thus the screen in the lowered position can prevent the entry of insects and other vermin.

Technical properties	
	Tuffscreen
	
Composition	Polyester fabric (Polyester 28% - PVC 72%)
Weight	240 g/m²
Mesh	17×13
Wire thickness	0.67 mm
Maintenance	Water with mild soap
Confection	HF welding (always with grey welding strip)
Hardness	High wind, moderate gale, near gale
Available min. width	3050 mm
Available colours	Black
Restrictions in fabric dimensions	No



FABRICS

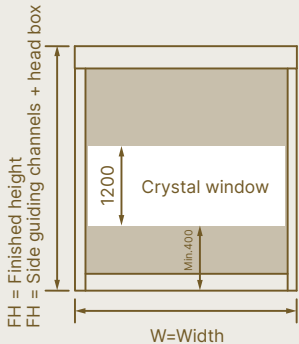
CRYSTAL FABRIC



Transparent fabric

A transparent crystal fabric can be integrated into the fibre glass fabric of Fixscreen 100 Slim F and Fixscreen 150 F to maintain the best possible view of the outside.

The crystal window in the full width of the screen is 1200 mm high. There must be a distance of 400 mm between the crystal window in the full width and the bottom.



CUSTOM PRINT

Aside from our standard range, fabrics can also be customised. Options include printing your business logo or a photo onto a screen underneath a patio cover.

