ATRIA®

HOLISTIC OUTDOOR DESIGN

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RENSON® | AMBASSADOR

FABRICS

Export EN I 2019

RENSON®
Creating healthy spaces

OUR **MISSION**

Creating healthy spaces

Paul Renson

"Renson® specialises in ventilation, sun protection and outdoor. With experience dating back to 1909, and an integrated team of over 1000 employees, we develop systems and solutions which provide consumers with a healthy and comfortable living and working environment, also taking into account energy efficiency and the use of renewable energy. We develop innovative products and systems, and offer total solutions to make every house into a healthy and comfortable home.

"We appreciate the aesthetic values of every building, allowing our sun protection and ventilation systems to be incorporated invisibly. Our outdoor products and aluminium blades for covering façades provide clear accents, offering added value to the architecture. Inside, we ensure that doors are integrated invisibly with no conspicuous frames or visible joints."

Discover how Renson® products can optimise the comfort experience while guaranteeing a contemporary design.

"We develop innovative products and systems allowing for aesthetic integration in every building."

RENSON 110 YEARS OF LEADERSHIP IN INNOVATION 1909-2019

CONTENTS

FABRICS

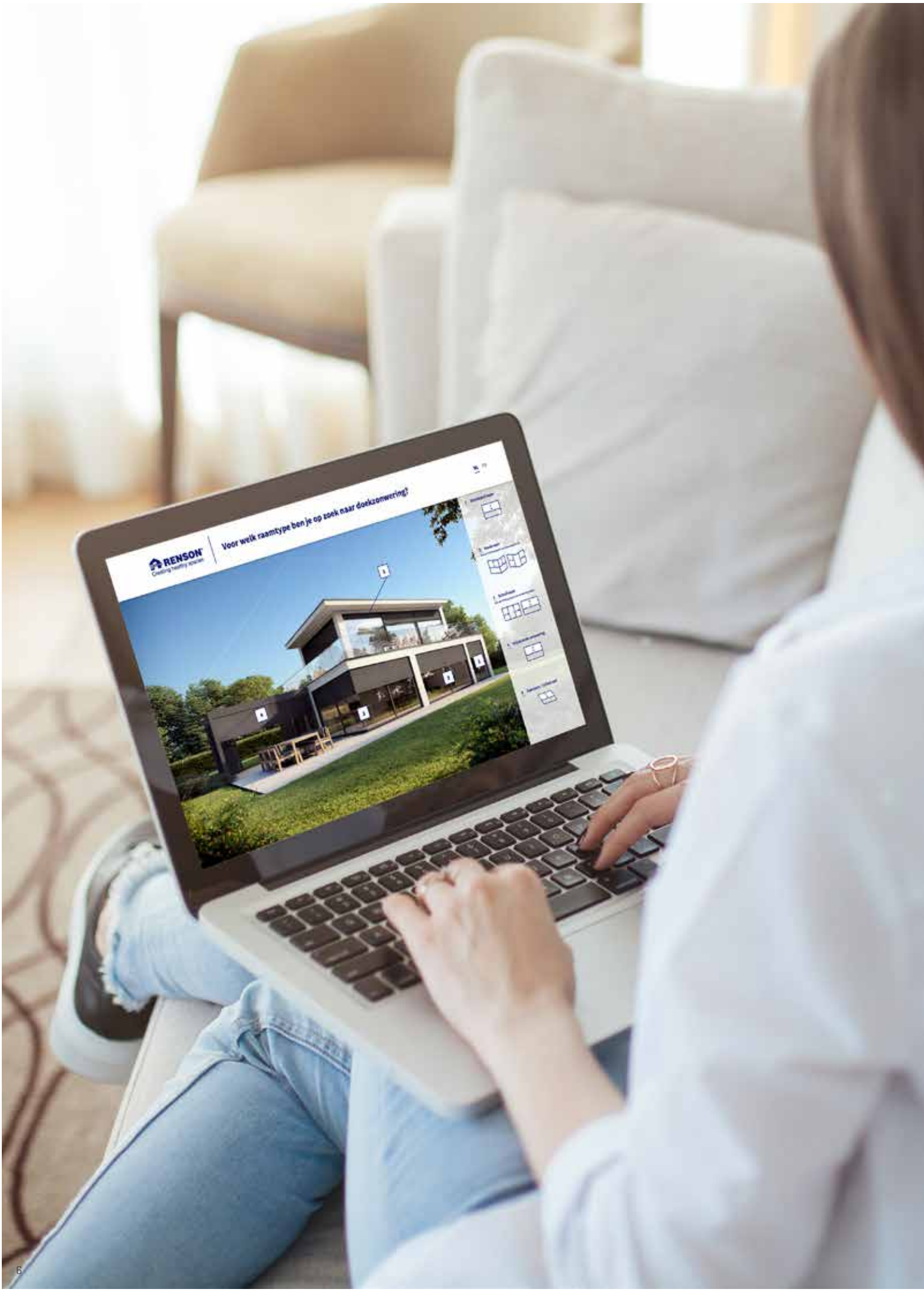
Next to a functional role, namely sun protection, the screen fabrics also have a decorative aspect. They seamlessly fit the architecture of the home. Moreover, all fabrics have an exceptionally long service life and keep insects outside. We differentiate between fabrics based on how much you can look through the fabric and light transmission, and a wide range of options in between.
Thanks to their specific features and the extensive colour range, there is a suitable type of fabric for each application.

HOW DO YOU CHOOSE A FABRIC?

STEP 1. WHAT IS THE APPLICATION OF THE SCREEN?

STEP 2. WHAT ARE THE REQUIREMENTS THAT THE FABRIC MUST MEET?

STEP 3. WHAT ARE THE CUSTOMERS PERSONAL PREFERENCES?


RENSON
Voor welk raamtype ben je op zoek naar doekzonwering?

PERSONALISATION USING THE SCREEN SELECTOR

So you're convinced that external solar shading works? And you're right. But it would be a shame not to find the most appropriate screen type with the right kind of screen. Which window is this for and which way does it have to open? And also important, of course: what other criteria must your sun protection screen satisfy? Do you like your privacy? Would you still like a view of the garden even when the screens are down or would you like it completely dark? Are aesthetics important to you?
The screen app will lead you through each selection criteria in an orderly fashion that results in: screens tailor-made for you.

STEP 1. WHAT IS THE APPLICATION OF THE SCREEN?

A specific type of sun protection is selected depending on the application. As not all fabrics can be used in all products, this can already be the first step in the selection of the desired screen fabric.
For example, we recommend glass fibre fabrics with Fixscreen, while we choose polyester fabrics for Topfix.

		Translucent sun protection fabric								
		Fibreglass fabrics*				PVC-free Polyester fabric	Polyester fabric			
		Sergé	Natté	Métal	Privacy	Vuscreen Bergamo	Soltis® Horizon 86	Soltis® Perform 92	Soltis® Proof W96	
Vertical sun protection	Fixscreen® 100 EVO	✓	✓	✓	✓	✓	✓	✓	–	
	Fixscreen® 100 EVO Slim	✓	✓	✓	✓	✓	✓	✓	–	
	Fixscreen® 100 EVO Slim F	✓	✓	✓	✓	–	–	–	–	
	Fixscreen® 150 EVO	✓	✓	✓	✓	✓	✓	✓	–	
	Fixscreen® 150 EVO F	✓	✓	✓	✓	–	–	–	–	
	Fixvent® / Fixscreen® Mono AK EVO	✓	✓	✓	✓	✓	✓	✓	–	
	Panovista® (Max)	✓	✓	✓	✓	–	–	–	–	
	Slidefix®	✓	✓	–	–	–	✓	✓	–	
Horizontal sun protection	Topfix®	–	–	–	–	–	✓	✓	–	
	Topfix® VMS	–	–	–	–	–	✓	✓	–	
	Topfix® Max	–	–	–	–	–	✓	✓	–	
	Topfix® Max F	–	–	–	–	–	✓	✓	✓	
	Vegascreen®	–	–	–	–	–	✓	✓	–	

* Option crystal window on p. 36

Note:
For the restrictions in dimensions (see product pages) and table inclination angle of fabrics (see following page).

	Sun protection fabric		Insect proof	Black out fabric			
	Acrylic fabric			Fibreglass fabrics	Polyester fabric		
	Elements	Dickson® Orchestra (Max)	Tuffscreen	Satiné 21154	Soltis® Opaque B92		
	✓	–	✓	✓	✓	Fixscreen® 100 EVO	Vertical sun protection
	✓	–	✓	✓	✓	Fixscreen® 100 EVO Slim	
	–	–	✓	–	–	Fixscreen® 100 EVO Slim F	
	✓	–	✓	✓	✓	Fixscreen® 150 EVO	
	–	–	✓	–	–	Fixscreen® 150 EVO F	
	✓	–	✓	✓	✓	Fixvent® / Fixscreen® Mono AK/UT EVO	
	–	–	–	–	–	Panovista® (Max)	
	–	–	✓	✓	✓	Slidefix®	
	–	–	–	–	✓	Topfix®	Horizontal sun protection
	–	–	–	–	–	Topfix® VMS	
	–	–	–	–	✓	Topfix® Max	
	–	–	–	–	–	Topfix® Max F	
	–	✓	–	–	✓	Vegascreen®	

INCLINATION ANGLE OF FABRICS
HORIZONTAL SUN PROTECTION

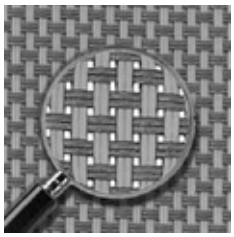
			Translucent				Black out
			Polyester fabric			Acrylic fabric Dickson	Polyester fabric
			Soltis® Horizon 86	Soltis® Perform 92	Soltis® W96		Soltis® Opaque B92
INCLINATION	**WIDTH**	**PROJECTION**	**SUN PROTECTION (WATER RESISTANT IFO FABRIC TYPE)**				
Topfix®							
I ≤ 8°	W ≤ 4000 mm	P ≤ 3000 mm	✓				
8° < I ≤ 20°	W ≤ 4000 mm	P ≤ 1500 mm	✓	✓			✓
	W ≤ 1250 mm	1500 < P ≤ 3000 mm	✓	✓			✓
	1250 < W ≤ 4000 mm		✓	✓			
I > 20°	W ≤ 4000 mm	P ≤ 3000 mm	✓	✓			✓
Topfix® VMS							
I ≤ 8°	W ≤ 4000mm	P ≤ 3000mm	✓				
8° < I ≤ 20°	W ≤ 4000mm	P ≤ 1500mm	✓	✓			
	W ≤ 1250mm	1500 < P ≤ 3000mm	✓	✓			
	1250 < W ≤ 4000mm		✓	✓			
I > 20°	W ≤ 4000mm	P ≤ 3000mm	✓	✓			
Topfix® Max							
I ≤ 8°	W ≤ 5000 mm	P ≤ 4000 mm	✓(1)				
	W ≤ 4000 mm	P ≤ 6000 mm	✓				
	4000 < W ≤ 5000 mm						
8° < I ≤ 15°	W ≤ 4000 mm	P ≤ 6000 mm	✓	✓			✓
	4000 < W ≤ 5000 mm		✓(1)				
I > 15°	W ≤ 5000 mm	P ≤ 6000 mm	✓(1)	✓(1)			✓(1)
Topfix® Max F							
I ≤ 6°	W ≤ 4000 mm	P ≤ 5000 mm	✓				
	W ≤ 3000 mm	P ≤ 6000 mm	✓				
	3000 < W ≤ 5000 mm						
6° < I ≤ 7°	W ≤ 2000 mm	P ≤ 5000 mm	✓	✓			
	W ≤ 4000 mm	P ≤ 6000 mm	✓				
	4000 < W ≤ 5000 mm						
7° < I ≤ 8°	W ≤ 3000 mm	P ≤ 5000 mm	✓	✓			
	W ≤ 4000 mm	P ≤ 6000 mm	✓				
	4000 < W ≤ 5000 mm						
8° < I ≤ 9°	W ≤ 2000 mm	P ≤ 5000 mm			✓		
	W ≤ 4000 mm	P ≤ 6000 mm	✓	✓			
	4000 < W ≤ 5000 mm		✓(1)				
9° < I ≤ 11°	W ≤ 3000 mm	P ≤ 5000 mm			✓		
	W ≤ 4000 mm	P ≤ 6000 mm	✓	✓			
	4000 < W ≤ 5000 mm		✓(1)				
11° < I ≤ 13°	W ≤ 4000 mm	P ≤ 6000 mm	✓	✓	✓		
	4000 < W ≤ 5000 mm		✓(1)				
13° < I ≤ 15°	W ≤ 4000 mm	P ≤ 6000 mm	✓	✓	✓		
	4000 < W ≤ 5000 mm		✓(1)		✓(1)		
I > 15°	W ≤ 5000 mm	P ≤ 6000 mm	✓(1)	✓(1)	✓(1)		
Vegascreen®							
-	W ≤ 4500mm	P ≤ 6000mm	✓(1)	✓(1)		✓	✓(1)

Note: The smaller the inclination, the bigger the risk of possible sagging of the fabric
(1) = Width > 4000mm ==> Big risk of wrinkling (2) = Depending on the geographic location

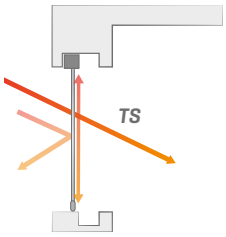
STEP 2. WHAT ARE THE REQUIREMENTS THAT THE FABRIC MUST MEET?

Different fabric types, different colours, weaving, .. and everything has an impact on the technical features of the fabric. It is therefore important to have a clear picture of the requirements that the fabric must meet. This again depends on both the type of building, the application and the use of the area. For example, the thermal value a fabric can reach can be decisive, a specific fire resistance,.. But the visual parameters can also have an influence.

1. TECHNICAL VALUES OF A FABRIC

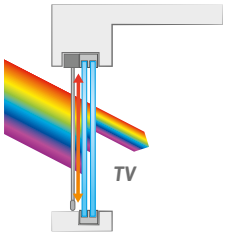


Opening factor (OF)
The bigger the opening factor, the bigger the translucence and the better the visibility to the inside and outside.

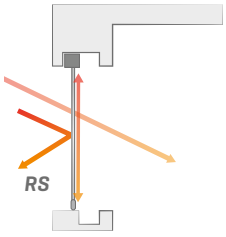


in % [$\tau_{e,\beta}$]

Solar transmission factor (TS)
Percentage of the incoming energy that passes through the fabric.

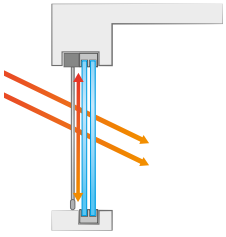


Light transmission factor (TV)
The bigger the light transmission factor, the more light passes through the fabric and the better the light strength [lux] in the area.

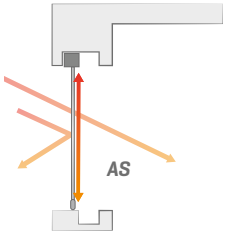


in % [$\rho_{e,\beta}$]

Solar reflection factor (RS)
Percentage of the incoming energy that is reflected by the fabric.



Shading coefficient (g_{tot})
Total energy percentage that enters through a window to the inside with sun protection fabric.

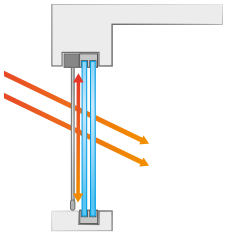


in % [$\alpha_{e,\beta}$]

Solar absorption factor (AS)
Percentage of the incoming energy that is absorbed by the screen fabric.

TS + RS + AS = 100% of the incoming energy
[$\tau_{e,\beta} + \rho_{e,\beta} + \alpha_{e,\beta} = 1$]

2. THERMAL COMFORT



Solar gain is evaluated using the g_{tot} value or the total shading coefficient. This value is the total energy percentage that enters through a window to the inside with sun protection fabric. It therefore shows the efficiency of the fabric.
The g -value of the sun protection in combination with a glazing type C can be classified according to the table below.

Glazing type C 4/16/4 double glazing with low emission
U = 1,2W/m²K
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

Additionally, the g value is always included in case of a sun protection in combination with glazing type D.

Glazing type D Reflecting 4/16/4 double glazing
with low emission
U = 1,1W/m²K
g_g = 0,32

Next to these values, reduction factor F is also used. This reduction factor is a measure of the fraction of solar energy which is only admilted by the sun protection.

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

For your information: All our sun protection fabrics are included in the EPB-data bank. This data bank is coupled to the EPB-software 3G. This way the g_{tot} value can be calculated automatically.

Tip: Choose thermal comfort and prevent overheating indoors
- A dark fabric withstands the heat better
- A fabric with a small opening factor better withstands the heat

3. VISUAL COMFORT

A. Visual contact with the outside

The extent to which a person on the inside (at 1 m distance from the fully lowered sun protection), can distinguish a person or object on the outside (at 5 m from the fabric sun protection). The visual contact with the outside can be classified from 0 to 4 in accordance with 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 time during which artificial light is required
- Capacity of the sun protection to optimally use the 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 the various zones in the visual field
- Prevent disturbing reflections on the screen because of 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 solar shading to withdraw people from view, in a fully closed or lowered condition.

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

Tip: Choose visual comfort and preserve the outside view

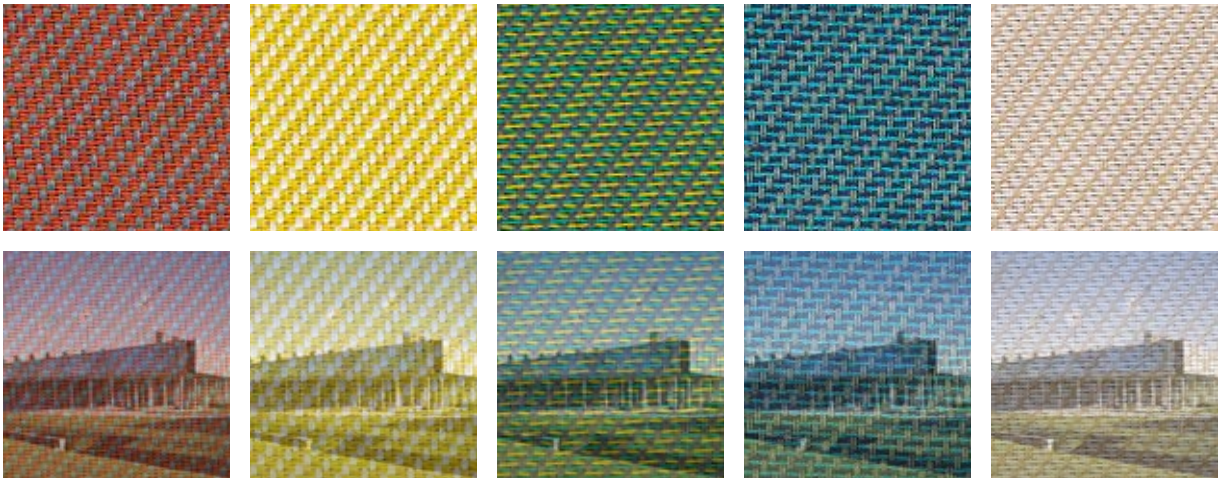
- A dark fabric offer a better view to the outside during the day
- A light fabric allows more daylight to enter
- A fabric with a small opening factor:
  - Offers more privacy,
  - Lets enter less light,
  - Prevents glare.

STEP 3. WHAT ARE THE CUSTOMER'S PERSONAL PREFERENCES?

There is no argument about odours and colours. Fortunately, the range of colours and weaving patterns has been vastly expanded. The aesthetics of the fabric (colour, weaving pattern, confection side,...) have an impact on the functionality. The impact always differs slightly. Combine and find the perfect solution!

COLOUR OF THE FABRIC

The various fabric types consist of a vast colour range. The choice is often motivated by aesthetic preference. However, functionality should not be overlooked. The colour plays and important role in transparency and translucence. Dark fabrics offer a better outside view. Light and heat beams are also absorbed, while these are reflected in lighter fabrics.



Example of colour impact of the screen fabric on your environment

ECOLOGY

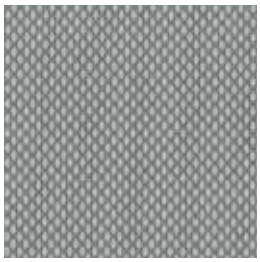
The impact on the environment also plays an important role when choosing a fabric type. We have now included PVC-free fabrics in our fabric range. These fabrics are very environmentally-friendly and recyclable.

PVC FREE

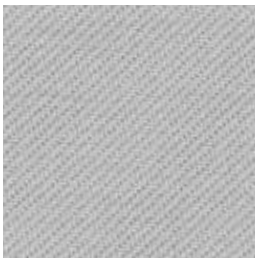
WEAVING PATTERN

An important factor in the choice of the screen fabric is the look of the fabric. Besides colour, the weaving pattern has a big impact. For example, there are various options for fibreglass fabrics such as a denser or perpendicular weaving.


Sergé


Natté

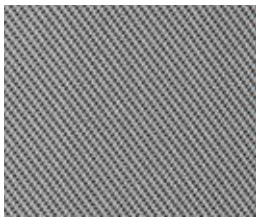

Métal


Privacy

CONFECTION SIDE

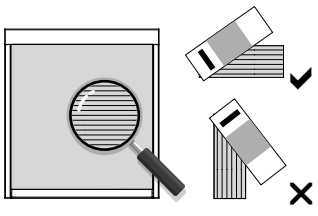
A fabric has two sides. Confection side 1 is the top of the fabric sample in the Renson fabric sample swatch. This is the exterior view of the screen fabric. Confection side 2 is the bottom of the fabric sample in the Renson fabric sample swatch. The confection side is marked on all technical drawings.


Example confection 1


Example confection 2

WELDING SEAM & FABRIC DIRECTION

If both width and height are larger than the fabric roll, a welding seam is visible so that both fabric sections can be connected to each other. The position of the welding seam differs from fabric to fabric and from the dimensions of the fabric. The height of welding seam is always calculated from the lowest point of the frame. Renson always tries to manufacture your screen with the least amount of welding seams possible. This means that, per order, we look to see if it is possible to turn the screens so that they can be manufactured without any welding seams. For the standard fabric direction, you need to turn the sample swatches horizontally.



Please note:

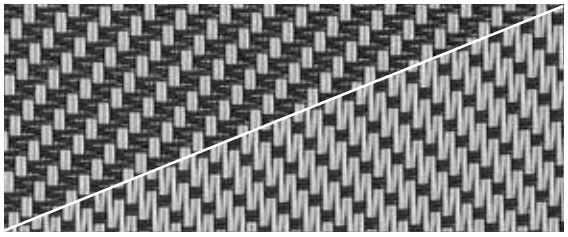
- If the order concerns a follow-up order, then subsequently, it is important that this is indicated. This way, Renson can guarantee that the same screen direction is used as in the first order.
- If a Slidefix and another vertical screen are ordered in the same order with the same fabric, and when both of these products must be manufactured using welding seams, then the screen direction will have to be different. Slidefix always has a vertical heat-sealed seam, while other vertical screens have a horizontal welding seam.

OVERVIEW RENSON®
FABRIC RANGE

OVERVIEW RENSON® FABRIC RANGE

TRANSLUCENT FABRICS

confection 1



confection 2

Fibreglass fabrics (Sergé, Natté, Métal, Privacy) **p. 21**

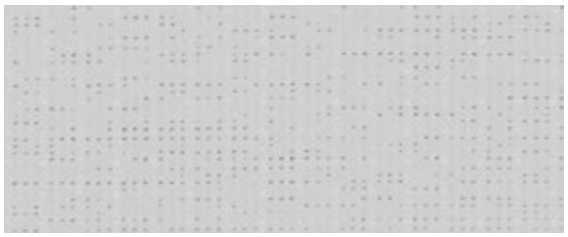
Fibreglass fabrics are woven from fibreglass yarns provided with a PVC-coating and are available in many colours. A fibreglass fabrics is shape-retaining, insensitive to moisture and heat, rot-free and colour-fast. Fibreglass fabrics guarantee an excellent view to the outside while the view to the inside remains limited during the day.

Crystal screen **p. 36**

A crystal screen is a transparent PVC fabric that guarantees optimal contact with the environment

PVC -free polyester fabric Vuscreen Bergamo **p. 27**

This polyester fabric contains no PVC and has a rather 'woven' look.



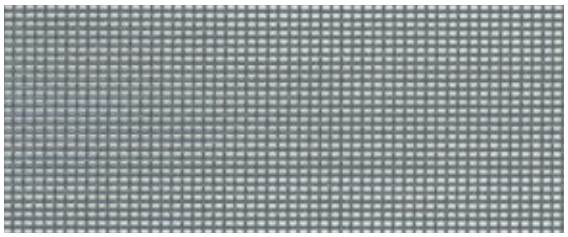
Polyester fabric Soltis Horizon 86 / Soltis Perform 92 **p. 28**

This fabric is made of high tensile strength polyester yarn and consists of a fine meshed tissue that has a PVC-coating according to the Précontraint-technique. This results in an extremely stable fabric that will hardly deform under load.

Polyester fabric Soltis Proof W96 **p. 31**

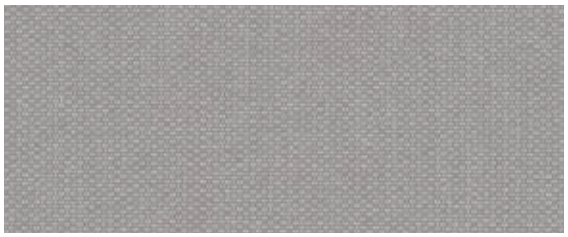
This polyester fabric is woven using a précontraint technique and a waterproof, translucent coating has been applied to it.

TRANSLUCENT FABRICS



Insect mesh Tuffscreen **p. 33**
An insectproof fabric or Tuffscreen can be applied for products with the Fixscreen-technology.

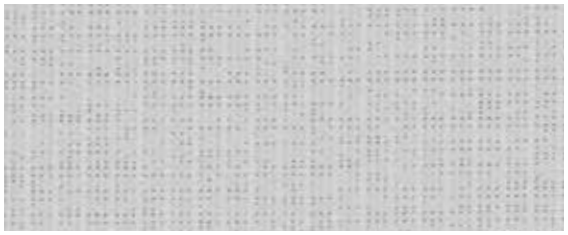
SUN PROTECTION FABRICS



Acrylic fabric Elements/Orchestra (Max) **p. 34**
These fabrics are woven with polyacrylic yarn, are mass-colored and PVC free. After weaving, they undergo a chemical post-treatment that make them even more water repellent and protected against dirt.

BLACK OUT FABRICS

Blackout fibreglass fabrics Satiné 21154 **p. 26**
This fibreglass fabrics consists of a standard fibreglass provided with a PVC-coating.



Black out polyester fabric Soltis Opaque B92 **p. 32**
The standard polyester fabric Soltis Perform 92 is provided with a blackout PVC-coating. Perfectly applicable for interior and exterior applications, for all areas that must be blacked out.

DID YOU KNOW THAT ...

- A screen fabric in a dark colour offers the best views to the outside?
- A screen fabric in a lighter colour reflects more sunrays than a screen fabric in a darker colour?
- A fully blackout fabric is the best choice for your bedrooms?
- Glass fibre & polyester fabrics can be printed for additional personalization?
- A mosquito mesh that repels all insects but offers little sun protection?

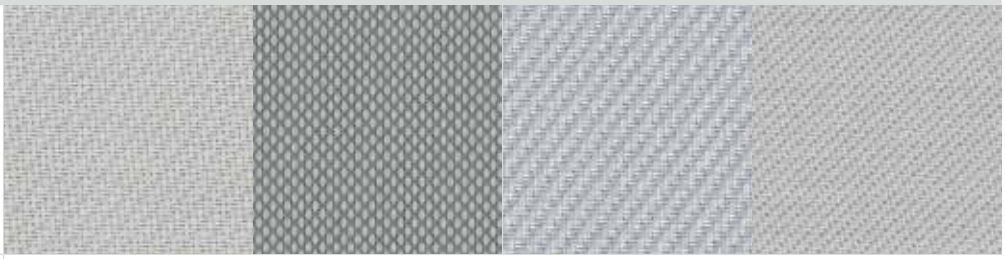
Glass fibre fabric by Fixvent® Mono AK EVO

GLASS FIBRE FABRIC

Screen fabric consisting of woven and coated fibreglass yarns or simply glass fibre fabric

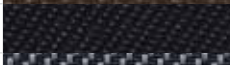
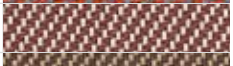
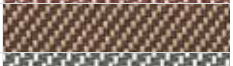
The yarns of the fibreglass core have been separately coated with a plastisol layer. This manufacturing process results in soft screen fabrics. The screen fabric has a high selfweight and is ideally suited for vertical rolling sun protection systems.

TECHNICAL FEATURES

	Sergé	Natté	Métal	Privacy
				
Composition	Fibreglass yarns (42 %) with PVC coating (58 %)			
Available width	From 1350 to 2700 mm Limited selection up to 3200 mm	2500 mm Limited selection up to 3200 mm	2850 mm	2700 mm
Fire resistance class	M1 (FRR) - NF P 92-503 Euroclass C-s3.d0 (EU) - NF EN 13501-1	M1 (F) - NF P 92-503 B1 (DE) - DIN 4102-1 BS (GB) - 476 Pt 6 Class 0 Euroclass C-s3.d0 (EU) - NF EN 13501 - 1 mounted according to EN 13823 & EN 14716 F3 (F) - NF F16-101	M1 (FR) - NF P 92-503 B1 (DE) - DIN 4102-1 Euroclass C-s3.d0 (EU) - NF EN 13501 - 1 mounted according to EN 13823 & EN 14716 FR (US) - NFPA 701	M1 (FR) - NF P 92-503 B1 (DE) - DIN 4102-1 Class 1 - UNI 9177 C - BS 5867 FR - NFPA 701 (US)
Lightfastness	Grade 7 - ISO105 B 02	Grade 7-8 - ISO105 B02	Grade 7-8 - ISO105 B02	Grade 7 - ISO105 B 02
Thickness	ca. 0,55 mm - EN ISO 5084	ca. 0,53 mm - EN ISO 2286 - 3	ca. 0,70 mm - EN ISO 2286 - 3	ca. 0,80 mm - ISO 5084
Weight	ca. 535 g/m² - NF 12127	ca. 560 g/m² - EN ISO 2286 - 2	ca. 520 g/m² - EN ISO 2286 - 2	ca. 620 g/m² - NF EN 12127
Tearing strength warp	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	> 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%

Tip: If you do not use the screen with the glass fibre fabric for a while (fabric stays rolled up in the box), more tension develops on the fabric. Upon first use, the fabric may display some wrinkle formation. By fully rolling out the fabric roller, the wrinkle formation will disappear and you can again enjoy a well tensioned fabric.

FIBREGLASS FABRICS SERGÉ

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						

Subject to errors and technical changes.

The colours printed here may deviate slightly, please consult our fabric sample swatch for the exact colour.

AS: solar absorption factor in % • RS: solar reflection factor in % • TS: shading coefficient in % • TV: light transmission factor in % • g_{tot} ext. in case of glazing type C • g_{tot} ext. in case of glazing type D • Classification thermal and visual comfort in accordance with EN 14501A

CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

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

FIBREGLASS FABRICS SERGÉ

ARCHITECTS' SELECTION

The colours are based on the latest trends in the interior, exterior & architectural world.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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	67,6	25,3	7,1	6,6	0,11	0,09						
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	73,3	18,4	8,3	8,0	0,12	0,10						
SC3332 (+)	CF1	67,5	24,7	7,8	7,3	0,11	0,09	3	3	1	1	1	
	CF2	69,7	22,5	7,8	7,3	0,11	0,09						
SC3333 (+)	CF1	72,4	20,5	7,1	6,8	0,11	0,09	3	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												
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						

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

Fibreglass fabrics Fixscreen®

FIBREGLASS FABRICS NATTÉ

A Natté fibreglass fabrics is a fabric a with perpendicular weaving pattern.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
N-0202 (+)	CF1 CF2	11	70	19	18	0,13	0,09	3	1	2	1	2	
N-0220 (+)	CF1 CF2	21	62	17	14	0,13	0,09	3	1	2	1	2	
N-0207 (+)	CF1 CF2	34	53	13	11	0,12	0,08	3	1	2	1	2	
N-0201 (+)	CF1 CF2	47	44	9	6	0,10	0,08	3	2	1	1	2	
N-0701 (+)	CF1 CF2	62	30	8	6	0,11	0,08	3	2	1	2	2	
N-3001 (+)	CF1 CF2	85	12	3	3	0,10	0,08	3	2	1	3	2	
N-3006 (+)	CF1 CF2	89	8	3	3	0,10	0,09	3	2	1	3	2	
N-3030 (+)	CF1 CF2	91	6	3	3	0,09	0,08	4	2	1	3	2	

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CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

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

Fibreglass fabrics Fixscreen® 150^{EVO} & Topfix® Max

FIBREGLASS FABRICS MÉTAL

A Métal Fibreglass fabrics has a reflecting metal side.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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					

Subject to errors and technical changes.

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CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

FIBREGLASS FABRICS PRIVACY

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

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
P-0202	CF1	15,9	71,3	12,8	12,9	0,09	0,06	4	1	2	1	2	
	CF2												
P-2020 (P-0808)	CF1	39,9	54,2	5,9	3,7	0,06	0,04	4	2	1	2	2	
	CF2												
P-0707	CF1	60,3	36,9	2,8	2,1	0,05	0,04	4	2	0	3	2	
	CF2												
P-0207	CF1	45,9	48,8	5,3	4,3	0,08	0,06	4	2	1	2	2	
	CF2	36,2	58,5										
P-0101	CF1	80,2	17,4	2,4	2,2	0,06	0,05	4	2	0	3	2	
	CF2												
P-0102	CF1	53,0	44,8	2,2	2,0	0,06	0,05	4	2	0	3	2	
	CF2	66,6	31,2										
P-0606 (P-1111)	CF1	90	8,6	1,4	1,3	0,06	0,05	4	2	0	3	2	
	CF2												
P-0130	CF1	88,3	10,5	1,2	1,2	0,09	0,08	4	2	0	3	2	
	CF2	84,8	14,0										
P-3030 (P-1010)	CF1	93	5,9	1,1	1,1	0,06	0,05	4	2	0	3	2	
	CF2												

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BLACKOUT FIBREGLASS FABRICS

TECHNICAL FEATURES

	Satiné 21154
Composition	Fibreglass strand (28%) with PVC coating (72%)
Available width	2100 mm
Fire resistance	M1 (NFP 92 503)
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%

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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	CF1	45	55	0	0	0,02	0,02	4	0	0	4	4	
GVV 3030	CF1	93	7	0	0	0,03	0,03	4	0	0	4	4	

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PVC-FREE POLYESTER FABRIC VUSCREEN BERGAMO

PVC FREE

Vuscreen Bergamo is a durable, environmentally friendly fabric because of the absence of PVC. Unlike other polyester fabrics, this fabric has a rather 'woven' look. The finishing of the aluminium particles may cause colour differences and accordingly, this fabric is only applied without a welding seam.

TECHNICAL FEATURES

	Vuscreen Bergamo
	
Composition	100% PES
Available width	2520 mm
Fire resistance	n.a.
Lightfastness	Grade 7-8 – ISO105 B02
Thickness	0,85 mm – EN ISO 5084
Weight	350 g/m² - EN 12127
Opening factor	4%

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
31707	CF1	41	43	16	10	0,12	0,09	3	3	1	1	1	
31717	CF1	51	36	13	7	0,11	0,08	3	3	0	1	1	
31708	CF1	57	30	13	5	0,11	0,08	3	2	0	3	2	
31718	CF1	60	28	12	4	0,11	0,08	3	2	0	3	2	

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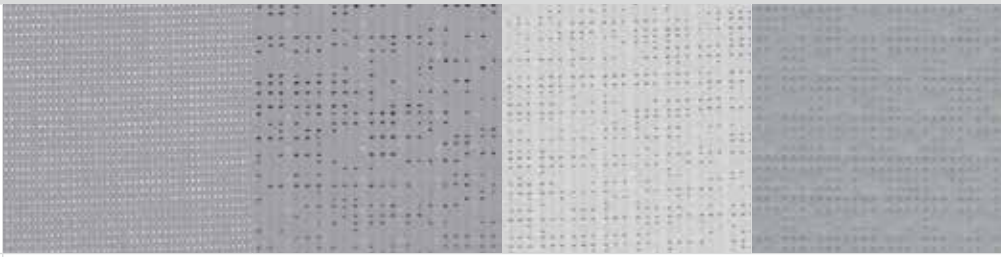
POLYESTER FABRIC SOLTIS®

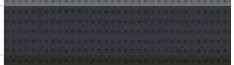
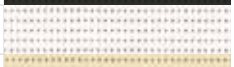
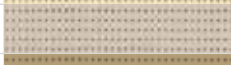
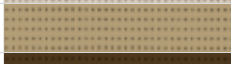
Screen fabrics based on pre-stressed polyester fabric

This sun protection fabric is made of high tensile strength polyester yarn (HTP). After weaving, the fabric is stretched very taut in both directions and then fixed using liquid PVC by means of the Précontraint technique. This provides the fabric with a great deal of dimensional stability, so that it cannot become deformed under load. The fabric fulfils the requirements involving high fabric tension without sagging, therefore making it very suitable for large areas. The fabric is used for both horizontal an vertical applications, where transparency a must.

TECHNICAL FEATURES

	Soltis® Horizon 86	Soltis® Perform 92	Soltis® Opaque B92 Black out fabric	Soltis® Proof W96
				
Composition	Polyester textile fabric manufactured in accordance with PRECONTRAINT FERRARI-technology			
Available width NF	1770/2670 mm	1770/2670 mm	1700 mm	2670 mm
Fire resistance Euroklasse EN 13501-1	Euroclass b-s2,d0	Euroclass b-s2,d0	Euroclass b-s2,d0	-
Fire resistance NF P 92-503 (FR)	M1	M1	M2	M2
Thickness (EN ISO 2286-3)	ca. 0,43 mm	ca. 0,45 mm	ca. 0,60 mm	ca. 0,56 mm
Weight (EN ISO 2286-2)	ca. 380 g/m²	ca. 420 g/m²	ca. 650 g/m²	ca. 620 g/m²
Tearing strength warp (DIN 53.363)	45 daN	45 daN	45 daN	25 daN
Tearing strength weft (DIN 53.363)	20 daN	20 daN	25 daN	20 daN
Breaking strength warp (EN ISO 1421)	230 daN/5 cm	310 daN/5 cm	330 daN/5 cm	220 daN/5 cm
Breaking strength weft (EN ISO 1421)	160 daN/5 cm	210 daN/5 cm	220 daN/5 cm	220 daN/5 cm
Opening factor	14%	3%	0%	4-5%

POLYESTER FABRIC SOLTIS® HORIZON 86

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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	
	CF2												
S86-2171 (+)	CF1	42,0	39,0	19,0	17,0	0,16	0,13	2	4	2	0	0	
	CF2												
S86-2045 (+)	CF1	55,0	29,0	16,0	16,0	0,15	0,11	2	4	2	0	0	
	CF2												
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												
S86-2047 (+)	CF1	78,0	7,0	15,0	15,0	0,17	0,14	2	4	2	0	0	
	CF2												
S86-2053 (+)	CF1	81,0	5,0	14,0	14,0	0,16	0,13	2	4	2	0	0	
	CF2												
S86-2044 (+)	CF1	12	59	29	28	0,20	0,14	2	3	2	0	0	
	CF2												
S86-2175 (+)	CF1	15,0	57,0	28,0	26,0	0,20	0,14	2	3	2	0	0	
	CF2												
S86-2135 (+)	CF1	39,0	41,0	20,0	17,0	0,16	0,13	2	3	2	0	0	
	CF2												
S86-2012 (+)	CF1	55,0	27,0	18,0	16,0	0,17	0,12	2	4	2	0	0	
	CF2												
S86-2148 (+)	CF1	73,0	13,0	14,0	14,0	0,16	0,12	2	4	2	0	0	
	CF2												
S86-2043 (+)	CF1	74,0	11,0	15,0	15,0	0,16	0,13	2	4	2	0	0	
	CF2												
S86-50260	CF1	72,0	13,0	15,0	14,0	0,16	0,12	2	4	2	0	0	
	CF2												
S86-2158	CF1	60,0	25,0	15,0	14,0	0,15	0,12	2	4	2	0	0	
	CF2												

Subject to errors and technical changes.

The colours printed here may deviate slightly, please consult our fabric sample swatch for the exact colour.

Until end of stock

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
S86-8255 (+)	CF1	53,0	24,0	23,0	17,0	0,20	0,14	2	4	2	0	0	
	CF2												

Subject to errors and technical changes.

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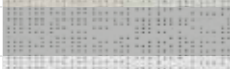
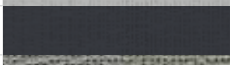
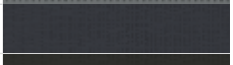
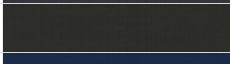
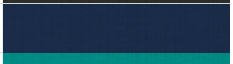
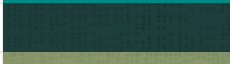
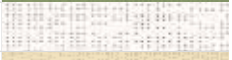
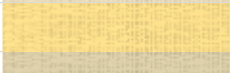
AS: solar absorption factor in % • RS: solar reflection factor in % • TS: shading coefficient in % • TV: light transmission factor in % • g_{tot} ext. in case of glazing type C • g_{tot} ext. in case of glazing type D • Classification thermal and visual comfort in accordance with EN 14501A

CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

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

POLYESTER FABRIC SOLTIS® PERFORM 92

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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	
S92-2065	CF1	44,0	46,0	10,0	7,0	0,11	0,08	3	2	1	2	2	
	CF2												
S92-2048 (+)	CF1	46,0	46,0	8,0	8,0	0,09	0,07	4	1	1	1	2	
	CF2												
S92-50272 (+)	CF1	33,0	55,0	12,0	9,0	0,11	0,08	3	1	1	1	2	
	CF2												
S92-2171 (+)	CF1	51,0	41,0	8,0	6,0	0,10	0,08	3	2	1	2	2	
	CF2												
S92-2045 (+)	CF1	61	35	4	4	0,08	0,07	4	2	1	3	2	
	CF2												
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												
S92-2047 (+)	CF1	87	8	5	5	0,11	0,09	3	2	1	3	2	
	CF2												
S92-2053 (+)	CF1	91	6	3	3	0,10	0,09	3	2	1	3	2	
	CF2												
S92-50342	CF1	84	10	6	4	0,11	0,10	3	2	1	3	2	
	CF2												
S92-50271	CF1	54	38	8	2	0,10	0,09	3	2	1	3	2	
	CF2												
S92-2039	CF1	88	8	4	3	0,10	0,09	3	2	1	3	2	
	CF2												
S92-2158	CF1	68	28	4	3	0,09	0,08	4	2	1	3	2	
	CF2												
S92-2044 (+)	CF1	13,0	68,0	19,0	17,0	0,14	0,09	3	1	2	1	2	
	CF2												
S92-2175 (+)	CF1	16	65	19	17	0,14	0,10	3	1	2	1	2	
	CF2												
S92-2013	CF1	25	57	18	16	0,14	0,10	3	1	2	1	2	
	CF2												
S92-50265 (+)	CF1	42	49	9	6	0,10	0,07	3	2	1	2	2	
	CF2												
S92-2012	CF1	63	30	7	6	0,10	0,08	3	2	1	3	2	
	CF2												
S92-2148	CF1	83	14	3	3	0,09	0,08	4	2	0	3	2	
	CF2												
S92-2043 (+)	CF1	83	13	4	4	0,10	0,09	3	2	1	3	2	
	CF2												
S92-2135 (+)	CF1	45	46	9	6	0,10	0,08	3	2	1	1	2	
	CF2												
S92-50266	CF1	77	19	4	4	0,09	0,08	4	2	1	3	2	
	CF2												
S92-50268	CF1	47	37	16	5	0,15	0,11	2	2	1	3	2	
	CF2												

Subject to errors and technical changes.

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CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

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

POLYESTER FABRIC SOLTIS® PROOF W96

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
W96-1103	CF1 CF2	16	67	17	16	0,13	0,09	3	0	2	2	4	
W96-8102	CF1 CF2	12	71	17	17	0,12	0,08	3	0	2	2	4	
W96-8861	CF1 CF2	24	63	13	9	0,11	0,08	3	0	1	2	4	
W96-2171	CF1 CF2	39	52	9	4	0,09	0,07	4	0	1	2	4	
W96-2047	CF1 CF2	86	11	3	3	0,1	0,08	4	0	1	3	4	

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CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

Topfix® Max

BLACK OUT POLYESTER FABRIC SOLTIS® OPAQUE B92

A black out sun protection fabric is the ideal solution for bedrooms, both for installation on the inside or on the outside.

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
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	88	12	0	0	0,08	0,07	4	0	0	4	4	
B92-1044	CF1	28	72	0	0	0,03	0,02	4	0	0	4	4	
B92-1045	CF1	65	35	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	
B92-2053	CF1	93	7	0	0	0,08	0,08	4	0	0	4	4	

Subject to errors and technical changes.

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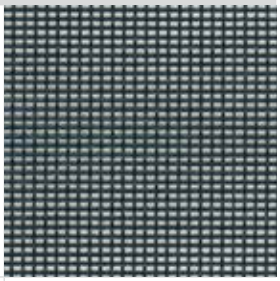
CF 1 = Confection side 1, upper side fabric sample swatch • CF 2 = Confection side 2, bottom side fabric sample swatch

Soltis® Opaque B92 fabric Fixscreen® 100 EVO

INSECT FABRIC

It is possible (and useful) to use insect mesh with products with Fixscreen-technology. When the screen is lowered, it prevents insects and other vermin to enter your home from coming in.

TECHNICAL FEATURES

	Tuffscreen
	
Composition	Polyester fabric (Polyester 28% – PVC 72%)
Weight	240 g/m²
Mesh	17x13
Thickness yarn	0,67 mm
Maintenance	water with mild soap
Confection	HF-welds (always with grey welding strip)
Hardness	Hard
Available min. width	3050 mm
Available colours	black
Limitations in dimensions fabric	no

Fixscreen® 100 EVO

PVC-FREE ACRYLIC FABRIC ELEMENTS

PVC FREE

Elements is a fabric collection of acrylic fabrics with an unique look & feel which, besides the sun protection features, also protects the view from the inside to the outside and from the outside to the inside. This results in the creation of a cosy and intimate atmosphere. Further, this fabric is PVC-free and the tailoring is also unique; this fabric is welded.

TECHNICAL FEATURES

	Acrylic fabric Elements
	
Composition	100% mass-painted acrylic
Available width	1200 mm
Fire resistance	n.a.
Lightfastness	Grade 7-8 – ISO105 B02
Weight	290 g/m² - EN 12127
Opening factor	0%

Ref.		AS	RS	TS	TV	g_{tot} ext. C	g_{tot} ext. D	Thermal comfort C	Visual contact with the outside	Use of natural daylight	Glare	Night-privacy	Visualisation CF1
314.028	CF1	63,3	4,6	32,1	4,5	0,05	0,04	4	0	1	2	3	
314.364	CF1	57,0	6,9	36,1	5,0	0,07	0,05	4	0	1	2	3	
314.398	CF1	89,4	0,1	10,5	0,0	0,03	0,02	4	0	0	4	4	
314.402	CF1	89,7	0,4	9,8	0,2	0,03	0,03	4	0	0	4	4	
314.638	CF1	92,9	0,2	6,9	0,2	0,08	0,03	4	0	0	4	4	
314.819	CF1	56,2	9,3	34,6	0,1	0,09	0,06	4	0	0	4	4	
320.993	CF1	52,6	8,1	39,3	6,4	0,07	0,05	4	1	1	1	2	
320.925	CF1	76,6	2,7	20,7	0,5	0,04	0,04	4	0	0	4	4	
320.994	CF1	94,0	0,0	5,9	0,0	0,03	0,03	4	0	0	4	4	

Subject to errors and technical changes.
The colours printed here may deviate slightly, please consult our fabric sample swatch for the exact colour.

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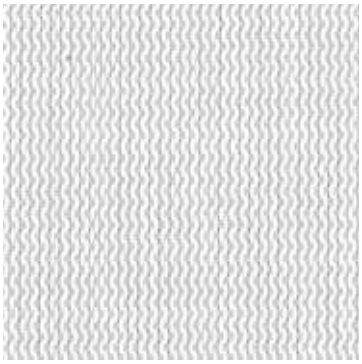
ACRYLIC FABRIC ORCHESTRA (MAX)

Woven polyacrylic fabric or simply acrylic fabric

These fabrics are woven with polyacrylate yarns (polyacrylonitrile) and are mass-coloured. The fibres are extremely resistant to UV-radiation. After weaving, they undergo a chemical post-treatment that make them even more water repellent and protected against dirt. The fabric panels start at a maximum width of about 1200 mm and are stitched together and seamed all around. The width of the seams and overlaps may differ depending on the manufacturer and application. These fabrics are ideally suited for all external sun protection with the exception of vertical applications (non-transparent).

Collections: DICKSON



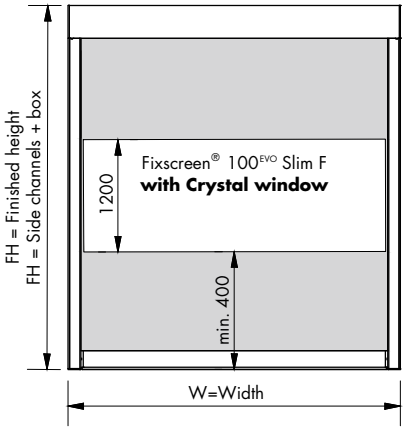
Acrylic fabric with Vegascreen®

CRYSTAL FABRIC

Transparent fabric

A transparent crystal screen can be integrated into a fibreglass fabrics with Fixscreen 100 EVO Slim F and Fixscreen 150 EVO F. This ensures that optimal contact with the outside is retained.

A Crystal window across the width of the screen and 1,200 mm height. Between Crystal windows in the full width and the bottom edges a distance of 400 mm should be maintained.



PERSONALIZED PRINTING

Next to the standard screen fabric range, fabrics can also be personalized. This consists of printing the logo of a company as well as printing a photo on a screen fabric under a terrace covering.


Fixscreen® 100EVO

WARRANTY

Renson® only works with high-quality materials. You can therefore enjoy an extended warranty period on all components and your peace of mind is guaranteed.

- Acryl fabric Orchestra (Max)

- Glass fibre fabric (Sergé, Natté, Metal, Privacy & Satiné 21154)
- Polyester fabric (Soltis Horizon 86, Soltis Perform 92)
- PVC-free polyester fabric Vuscreen Bergamo
- PVC-free acrylic fabric Elements
- Insectmesh Tuffscreen

- Crystal fabric

The warranty period starts from the production date and only applies to the actual product, not on the installation thereof.

The warranty only applies when the product is used and maintained in accordance with the instructions of the user manual. The warranty becomes void after incorrect or abnormal use of the product.

Please always provide the serial number when reporting problems.

Also see the warranty certificate.

MAINTENANCE

Sun protection fabric requires little maintenance. You add many years to the service life of your sun protection screen by handling it with care.

Some general guidelines:

- Should the fabric become wet because of an unexpected shower, you can simply roll up the fabric and roll it down later on to dry on better weather. Avoid leaving the fabric rolled up for more than three days to prevent moulding and stains.
- Before cleaning, first remove loose dirt with a brush. You can subsequently remove the remaining dirt with a cleaning product (avoid corrosive products) and lukewarm water. Always rinse the fabric after cleaning. Avoid cleaning in fierce sunlight: stains may remain on the fabric when the soap water dries quickly.
- We do not recommend using high pressure devices.
- Do not use any aggressive abrasives.
- The hinges and rotating parts must be lubricated annually. Use a dry lubricant for this(Teflon).
- Regularly check your screen for twigs, leaves, etc. and remove these. Maintain this product with due diligence. As manufacturer, we recommend regular technical inspection by the installer: annually in case of non-residential building and every two years for private sun protection fabric.
- We recommend semi-annual maintenance for non-aggressive environments. For aggressive environments (sea, heavy industry ...) we recommend frequent maintenance, about 4 times a year.
- Always use the manufacturer's original spare parts.

** See our user manual.*

Easy maintenance with the Renson Maintenance Set

- The texture is made of powder coated aluminium. An annual cleaning with the **Renson Maintenance Set** products ensures years of maintaining the intense colors and gives extra protection against acid rain, sea air and UV rays. Maintenance is designated at least 2 x per year in coastal areas and wooded environments.
- The **Renson 'Clean'** is a concentrated product with strong cleansing and degreasing properties for the most common natural pollutants, such as dust, greasy deposits, grease stains, moss, insect marks, etc. This product is not comparable with most cleaning products. Because of its in-depth action, the dirt is 'lifted', so to speak. This product can also be used for cleaning polyester fabric roofs and vertical fibreglass screen fabrics. After cleaning, you must protect the aluminium texture with **Renson 'Protect'**. It leaves a protective film that facilitates subsequent cleaning of the surface area with a simple swipe of the surface and realises it with minimum use of **Renson 'Clean'**. It also protects the aluminium against acid rain, sea air, UV rays and thus ensures that the intense colour is retained.
- Both products must not be used in direct sunlight or hot weather. The fast drying of the product could leave stains on the structure or the fabric. Never use corrosive or aggressive products, scouring pads or other abrasives. Furthermore, never use high-pressure devices.

Renson Maintenance Set

WHY RENSON®?

Renson® sets the bar high and is always one step ahead of the future. And you can get a piece of this. Choosing for Renson® is not a coincidence?

You choose for Belgian quality
You get the warranty that every element is produced durably in accordance with the strictest quality requirements. This allows you to enjoy your investment for a long time. Designed & Made in Belgium.

You draw the map of innovation
You like to join the latest technologies? So do we. Our substantial R&D-team continuously develops new products and possibilities. Before our products enter the market, they are subjected to sound thorough durability tests. At Renson, you always choose the best of the best and you know that it works.

Your prefer 100% customization
We speak your language. Thanks to the extensive product range, Renson offers a customized solution according to your situation, your taste, your needs and your budget. Our specialists pilot and guide you through all the options.

Your believe in the power of communication
Not only do we have the know-how, but we also share this knowledge. For example, you can enter our EXIT 5 showroom without any obligation, you can find us on the most important (inter)national fairs and our website offers the latest inventions and technical information. Do you have an urgent question? Please contact us by telephone.

You choose for trust
You opt for a reliable partner with tons of experience, which is also financially sound. Since its founding in 1909, Renson has always been a family enterprise where entrepreneurship, perseverance and dynamism are key.

You choose for experts in sun protection and ventilation
Renson relies on a powerful and particularly extensive dealer network. Each and everyone is a professional with years of experience. There is always a Renson specialist in your area who speaks your language. Due to continuous training, we remain abreast with the latest products and techniques.

You are not alone
Renson commits to advising you, from start to finish. And it does not end with a perfect installation, you can keep on relying on the expertise of our professionals.