



# **SOLID** <sup>®</sup> **SCREEN**

The solid vertical zip-guided screen



# **SOLID<sup>®</sup> SCREEN**

Screens are a form of exterior sun blinds, which have become increasingly popular during the past few years. This is hardly surprising, given that vertical screens are installed parallel to the facade, and they open and close in the same way. This means that the screen does not extend outwards from the facade at all, and therefore does not occupy precious space.

The addition of several versions of the SolidScreen has led to the development of an entire range. Your wishes and requirements prompted further developments of the original product. In fact, our current range comprises no fewer than five zip-guided screens, and is therefore one of the largest available in the BeNeLux region.

<b>SolidScreen Standard</b>	Numerous types of headboxes available	<b>4</b>
<b>SolidScreen XS</b>	Extra small side guides	<b>6</b>
<b>SolidScreen XL</b>	Available in widths or heights up to 6 meters	<b>8</b>
<b>SolidScreen Niche and Niche XS</b>	Installable in reveal or cavity	<b>10</b>
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<b>Tibelly Screen fabric</b>	Fabric colour chart	<b>14</b>
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<b>Certification</b>	TÜV Nord / von Karman Institute	<b>18</b>

The SolidScreen lends its name from the zip-guided fabric. When closed, the screen leaves no gaps whatsoever. It will cover the entire glass surface and window frame. Therefore it effectively excludes not only inconvenient sunlight, but also heat and insects. This can save you up to around 30% on energy costs. Furthermore, the system has successfully withstood trials with wind speeds of up to 90 mph (von Karman Institute).

Perhaps the most striking feature of the SolidScreen is that you gain all these advantages, without compromising your outside view. The specially woven pattern of Tibelly screen fabric offers you an unobstructed outside view, while preventing anyone from looking in.



### Colour

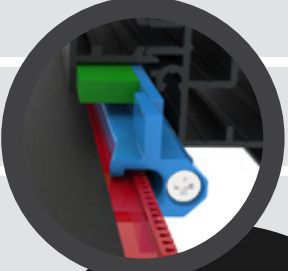
We offer a range of several standard colours that are always available from stock. This enables us to ensure fast delivery. A special request? This is also possible, as the SolidScreen can be supplied in practically any RAL colour.

### Headbox

The headbox is the most noticeable part of the SolidScreen when its mounted to the facade. We offer a wide range of headbox shapes and dimensions. The choiche is yours.

### Operation

We have various types of operating systems available. Regardless of whether you prefer to open and close the screen in the traditional manual way or by means of modern electrical controls. In fact, the SolidScreen can be operated using a wall-mounted switch, remote control unit or even an app installed on your smartphone or tablet.



### Side guide

The SolidScreen offers many of its unique functions due to the side guide, equipped with zip-guided technology. Various options are available in this regard. Your local SolidScreen dealer would be pleased to assist you in making the appropriate choice.

### Screen fabric

The screen fabric determines both the appearance of the SolidScreen and the ambience it creates. Choose one of the forty Tibelly Sergé, or eight Tibelly ecolé1% (highly light-reducing), fabric colours to complete the product. Something to suit every taste.

### Bottom slat

The bottom slat plays a crucial role. It keeps the screen fabric level, while providing a tight seal at the base in combination with a brush or rubber strip. Your local SolidScreen dealer would be pleased to assist you in choosing the most suitable of the various options available.



# SOLID SCREEN®

Standard








The SolidScreen Standard is the basis of the entire SolidScreen range and forerunner of all other zip-guided screens. It is the solution for anyone who desires a high quality storm proof screen.

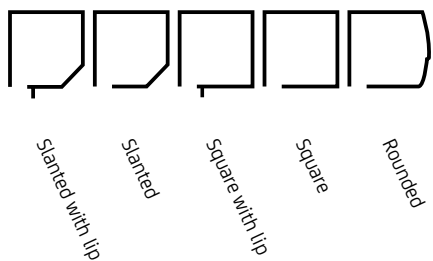
The SolidScreen Standard naturally offers all the inherent benefits of a zip-guided screen. Not only does it deflect both light and heat, it also repels insects. With the numerous customizable options available, it is the screen that can be most adapted to your personal taste. Therefore the SolidScreen Standard is one of our customers favourites.



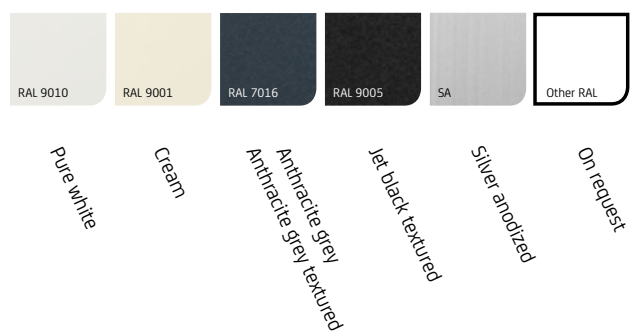
## Characteristics

-  Heat and light-resistant
-  Unobstructed outside view
-  Energy savings of up to 30%
-  Wind-resistant up to 90 mph
-  Numerous types of headboxes available

## Headboxes\*



## Colours\*



## Maximum dimensions

	Width	Height
SolidScreen Standard	5000 mm	3000 mm
SolidScreen Standard	3000 mm	5000 mm

\*Not all headboxes (and corresponding profiles) are available as standard in the mentioned colours.

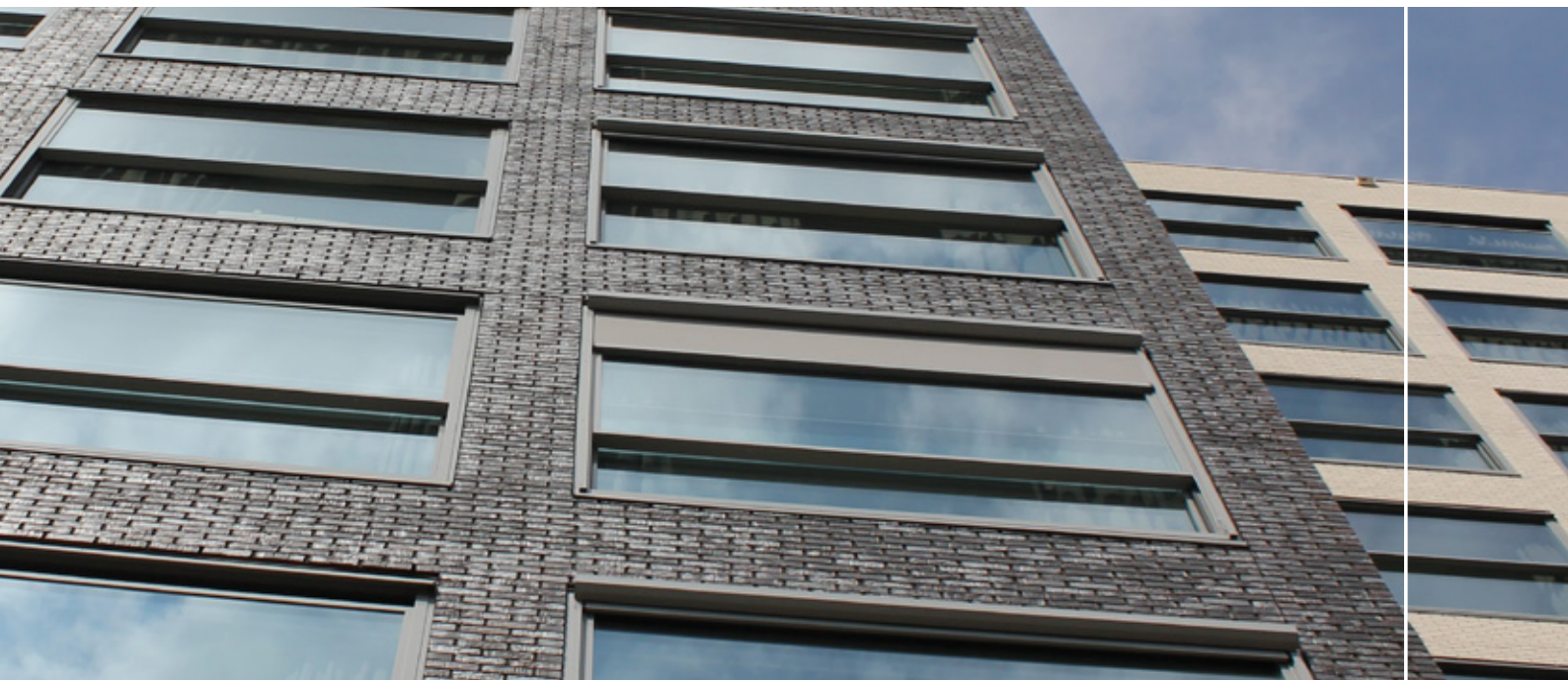


**SOLID** <sup>®</sup>  
**SCREEN**  
XS








The SolidScreen XS is characterised by its extra small side guides, which measure just 35 mm wide. It is both aesthetically pleasing and easy to install, while retaining the numerous advantages of the SolidScreen. The XS also offers a wide range of available headboxes.

This has made the SolidScreen XS highly popular among architects, which explains its extensive use in building projects. This is by no means its sole area of application, however. The SolidScreen XS is also highly suitable for installation in your own home.



## Characteristics

-  Heat and light-resistant
-  Unobstructed outside view
-  Energy savings of up to 30%
-  Wind-resistant up to 90 mph
-  Extra small side guides

## Headboxes\*



Slanted with lip

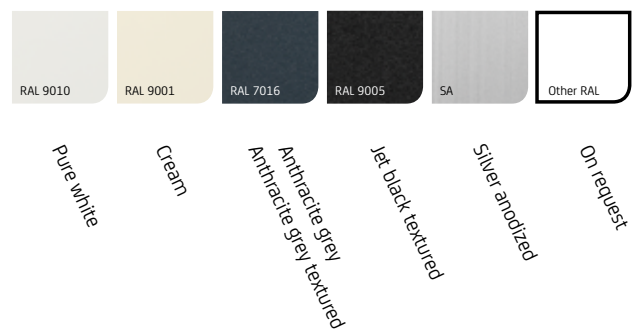
Slanted

Square with lip

Square

Rounded

## Colours\*



## Maximum dimensions

	Width	Height
SolidScreen XS	4000 mm	3000 mm
SolidScreen XS	3000 mm	3500 mm

\*Not all headboxes (and corresponding profiles) are available as standard in the mentioned colours.



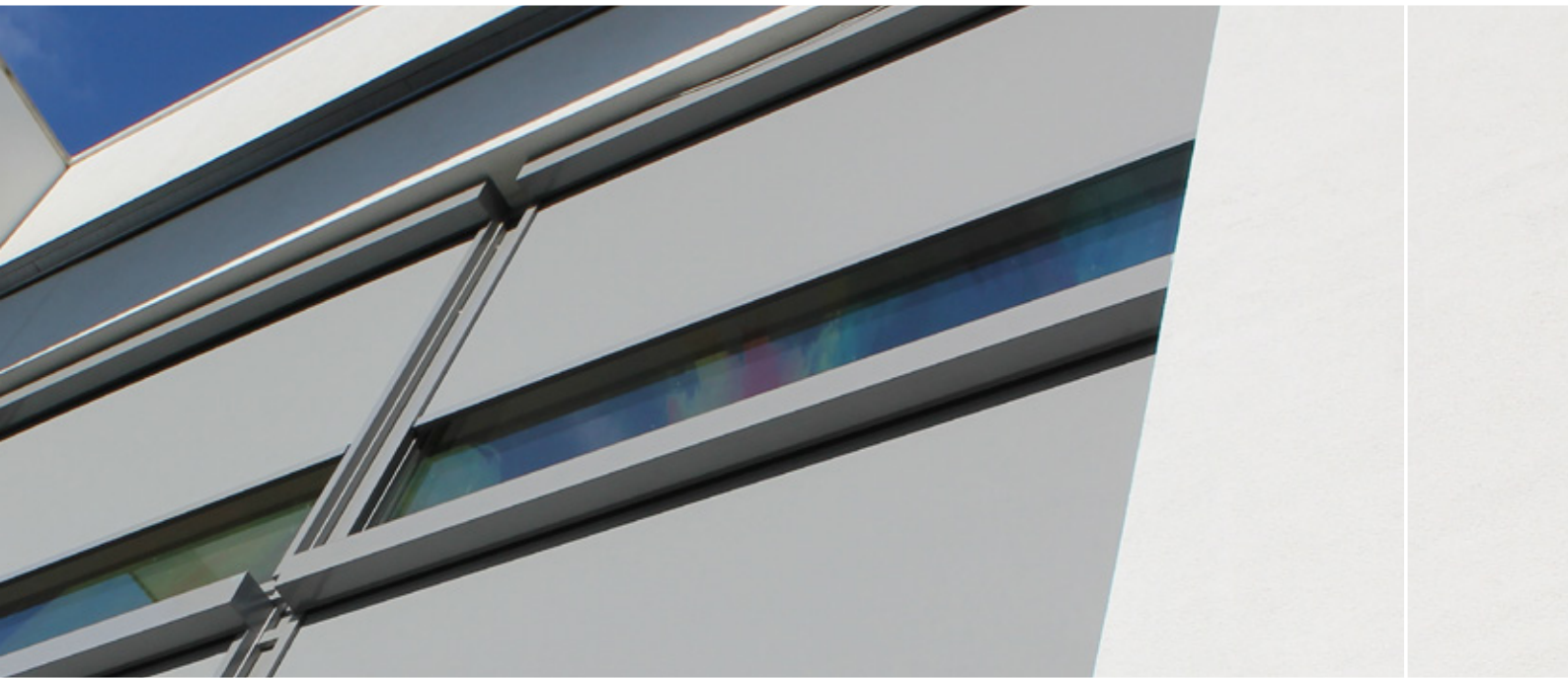
||| **SOLID** <sup>®</sup>  
**SCREEN**  
XL








As the name suggests, the SolidScreen XL is characterised by its substantial dimensions. The unique combination of reinforced materials mean the SolidScreen XL can be supplied in widths or heights up to six meters.

Therefore it enables you to mount a single zip-guided screen on a very large surface. Justifiably renowned as a highly impressive source of shade.

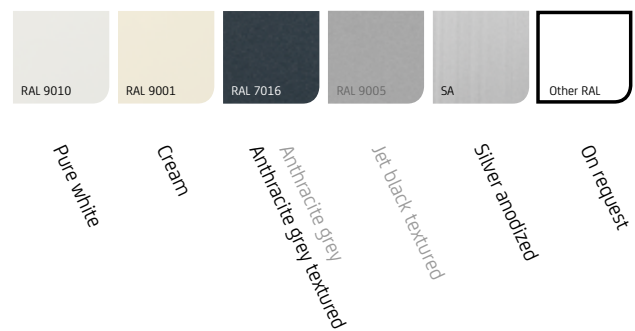




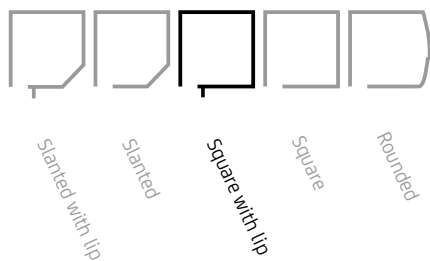
## Characteristics

-  Heat and light-resistant
-  Unobstructed outside view
-  Energy savings of up to 30%
-  Wind-resistant up to 90 mph
-  Available in widths or heights up to 6 meters

## Colours



## Headboxes



## Maximum dimensions

	Width	Height
SolidScreen XL	6000 mm	3000 mm
SolidScreen XL	3000 mm	6000 mm



# SOLID SCREEN®

Niche and Niche XS








The SolidScreen Niche and Niche XS distinguish themselves in the way they are installed. The Niche and Niche XS are ideally suited for installation during the construction of new premises. However, these screens can also be fitted to existing residential properties.

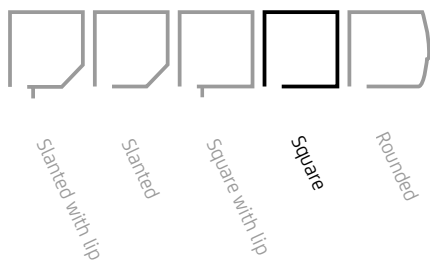
The screen headbox is actually integrated in either the reveal or cavity wall, this renders it invisible from the exterior. The façade therefore maintains its sharp lines, regardless whether the screen is open or closed.



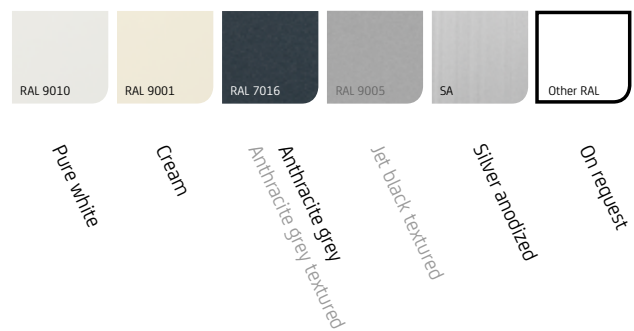
## Characteristics

-  Heat and light-resistant
-  Unobstructed outside view
-  Energy savings of up to 30%
-  Wind-resistant up to 90 mph
-  Installable in reveal or cavity

## Headboxes



## Colours



## Maximum dimensions

	Width	Height
SolidScreen Niche	5000 mm	2000 mm
SolidScreen Niche	3000 mm	3500 mm
SolidScreen Niche (XS)	4000 mm	3000 mm



# SOLID SCREEN®

Special applications



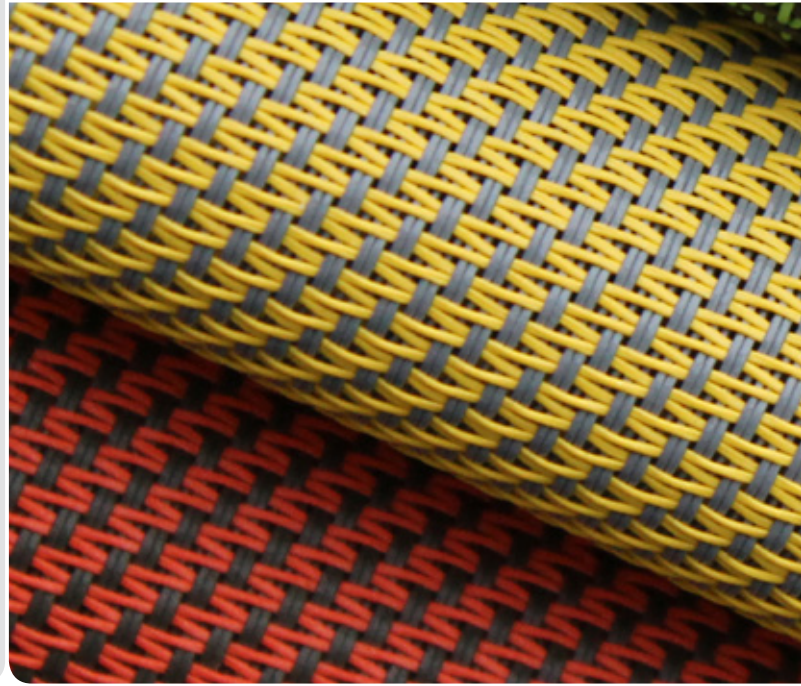
In addition to installation against the facade, the SolidScreen is also ideally suited to be mounted to a terrace roof or freestanding awning. If you already own a terrace roof, but in search of a vertical screen to deflect the low standing sun, the SolidScreen is an excellent solution. One of the functions often overlooked in this regard is that this vertical system also serves as a windbreak.

These pages show various applications of the SolidScreen, both when installed with conventional terrace roofs and our own Cubola. Furthermore it can be combined with other products from our range, such as the Piazza and Stanza terrace roofs and our louvered canopy the Altera. Ask your local dealer for more information.



# Tibelly®

Screen fabric



## Tibelly® Sergé

**T71818** Plain black



**T70818** Grey-black



**T71848** Black-grey-flax



**T71308** Bronze-grey



**T70808** Plain grey



**T71708** Pearl-grey



**T71717** Plain pearl



**T71608** Flax-grey



**T70841** Grey-white-pearl



**T70801** Grey-white



**T71701** Pearl-white



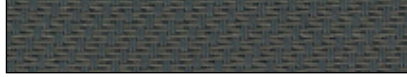
**T70141** White-white-pearl



**T70101** Plain white



**T71813** Black-bronze



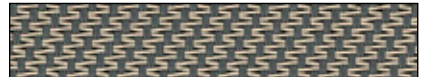
**T71313** Plain bronze



**T71213** Sand-bronze



**T71812** Black-sand



**T70812** Grey-sand



**T70826** Grey-caramel



**T71816** Black-flax



**T71716** Pearl-flax



**T71745** Pearl-white-sand



**T71212** Plain sand



**T71616** Plain flax





Tibelly® ecole1%

**T71201** Sand-White



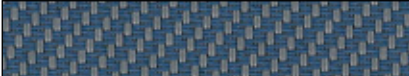
**T71601** Flax-White



**T71111** Plain dark blue



**T70811** Grey-dark blue



**T71711** Pearl-dark blue



**T70867** Pacific



**T70806** Grey-light blue



**T71622** Flax-dark green



**T70802** Grey-green



**T71315** Bronze-lime



**T71881** Jamaica



**T70803** Grey-yellow



**T71203** Sand-yellow



**T71305** Bronze-mandarin



**T70805** Grey-mandarin



**T70809** Grey-orange



**T31818** Plain black



**T31808** Black-grey



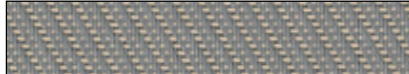
**T30818** Grey-black



**T30808** Plain grey



**T30812** Grey-sand



**T31708** Pearl-grey



**T30801** Grey-white



**T31701** Pearl-white



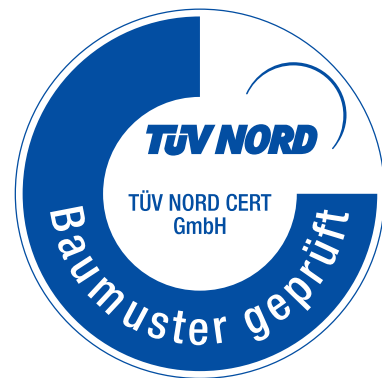
The fabric colours displayed in this brochure may deviate slightly from the true colours.











We set great store by quality. All our sun protection products are compliant with the CE standards and, since the year 2000, have been subjected to extensive testing by the TÜV Nord Group. This is carried out in accordance with the DIN EN 13561 and DIN EN 1932 standards.

SolidScreens are tested on the basis of two criteria: Lifespan class and wind resistance class, which are assessed on a scale of 0 to 3 and 0 to 4. The SolidScreen range emerged from the tests with the highest possible rating, namely class 3 (lifespan) and class 4 (wind resistance).





### Lifespan class according DIN EN 13561

Lifespan expresses the number of extension and retraction movements that an exterior sun blind can withstand. The overview below indicates the various classes applicable in accordance with the EN 13561 standard.

Number of movements	Class 1	Class 2	Class 3
Open and closing movements	3.000	7.000	10.000

### Wind resistance class according DIN EN 1932

Winddruk is de maximale hoeveelheid wind welke een geopend buitenzonweringproduct kan weerstaan. In het onderstaande overzicht is te zien welke winddrukclassen er zijn.

Wind resistance class	Class 0	Class 1	Class 2	Class 3	Class 4
Beaufort-scale	< 4	4	5	6	7
V (km/u) (maximum)	< 28 km/h	28 km/h	38 km/h	49 km/h	61 km/h
V (m/s) (maximum)	< 7,8 m/s	7,8 m/s	10,5 m/s	13,6 m/s	17 m/s
Nominal test pressure (N/m <sup>2</sup> )	< 40	40	70	110	170
Safety test pressure 1,2 p (N/m <sup>2</sup> )	< 48	48	84	132	204

### Example:

Wind resistance class 1 = Beaufort-scale class 4 = wind speed of max. 28 km/h of 7,8 m/s = pressure of 40 Newton per m<sup>2</sup>.

### Windtunneltest von Karman Institute

To emphasize the strength of our SolidScreen, we asked the Von Karman Institute to submit our zip-guided screen to an additional wind tunnel test. After a successful test (VKI EAR 1040 SolidScreen 95 report) on the maximum capacity of the wind tunnel at a wind speed of 145 km/h, our SolidScreen was still fully functioning.



### Wind pressure test WTCB

In addition to the wind tunnel test, a wind pressure test has been performed by the WTCB (report 651 XI 180 CAR 10143). Here too, the SolidScreen zip-guided system appeared to be resistant to very high in wind pressures.



Your sun protection system dealer:

