



**SOLID** <sup>®</sup>  
**SCREEN**

The technology behind the zipper



# SOLID<sup>®</sup> SCREEN

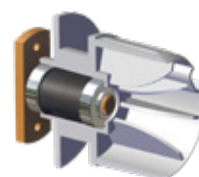
Screens are a form of exterior sun blinds, which have become increasingly popular during the past few years. This is hardly surprising, given that vertical screens are installed parallel to the facade, and they open and close in the same way. This means that the screen does not extend outwards from the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

In addition to effectively deflecting solar energy, the SolidScreen also offers visual comfort by admitting diffuse light, without blocking the outside view. The system is successfully tested on wind loads of up to 145 km/h, and has achieved the highest rating in both durability and wind load tests performed by TÜV. The SolidScreen is therefore highly suitable for use at considerable heights. Several versions of this versatile screen have been developed.

<b>SolidScreen<sup>®</sup> Standard</b>	Numerous headbox types available	<b>4</b>
<b>SolidScreen<sup>®</sup> XS</b>	Extra small side guides	<b>6</b>
<b>SolidScreen<sup>®</sup> XL</b>	Considerable heights or widths up to 6 metres	<b>8</b>
<b>SolidScreen<sup>®</sup> Niche and Niche XS</b>	Installable in niche, a cove or cavity	<b>10</b>
<b>SolidScreen<sup>®</sup> Xtra</b>	Concealed installation of top cover supports	<b>12</b>
<b>SolidScreen<sup>®</sup> Jan des Bouvrie</b>	A unique design by Jan des Bouvrie	<b>14</b>
<b>Tibelly<sup>®</sup> Screen fabric</b>	Colour chart	<b>16</b>
<b>Certification</b>	TÜV Nord / Von Karman Institute / WTCB	<b>18</b>

The SolidScreen is made of durable materials and is extra solid due to, for example, double bearing in various bearing bungs and an additional special headbox support to wide dimensions. There are also special rollers available with a recessed fabric groove, which significantly reduces the marks while rolling up of the screen fabric.

All SolidScreens have mounting plates, which allow the top roller to be slid in and out of the headbox, and various side guides provide the ability to fully carry the engine cable out of sight.



*Sectional plastic bearing bung with double bearing*



### Colour

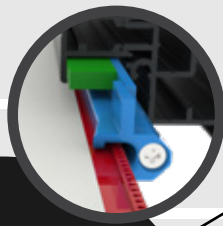
A range of several standard colours is always available in stock. This enables us to ensure swift delivery. And we can usually also cater to your own particular preference in this regard, as the SolidScreen can be supplied in practically any RAL colour.

### Headbox

The headbox is the most conspicuous part of the system attached to the façade, when the SolidScreen is opened. You therefore have the choice of a wide range of headbox shapes and dimensions.

### Operation

We can offer you various types of operating systems. 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 guides

The SolidScreen offers many of its unique functions due to the side guide, equipped with zip-guided technology. The screen closes fully, as a result of the connection between the guide, zip and fabric.

### Screen fabric

The screen fabric determines both the appearance of the SolidScreen and the ambience it creates. You have a choice of no fewer than forty Tibelly Sergé and eight Tibelly (highly light-reducing) ecolite1% fabric colours. Hence something to suit every taste.

### Bottom slats

The bottom slat plays a crucial role. It keeps the screen fabric taut, 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.



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# SOLID SCREEN<sup>®</sup>

## Standard

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



### Bottom slats



**Square**  
19,5 x 48 mm



**Rounded**  
22,4 x 48 mm



**Heavy**  
28 x 54,9 mm  
Extra weight. Advised at widths and heights > 3 m. Extra stability to wide screens.

### Side guides



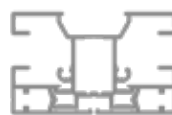
**Standard**  
45 x 34 mm



**Closed (patio)**  
45 x 34 mm

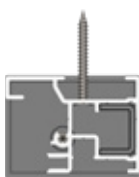


**Deep - Contra**  
45 x 49 mm  
15 mm higher and can be used for Contra Mounting the Headbox. The end-fix brackets can be used both ways.

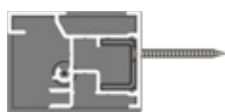


**Centre guide**  
55 x 34 mm

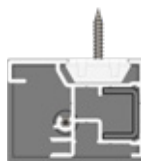
### Mounting



Face fitting



Recess fitting

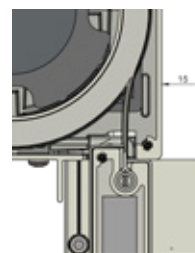


Mounting with snap block

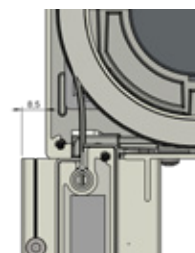


Integrated power cable

### Deep- contra side guide



Mounting as deep side guide

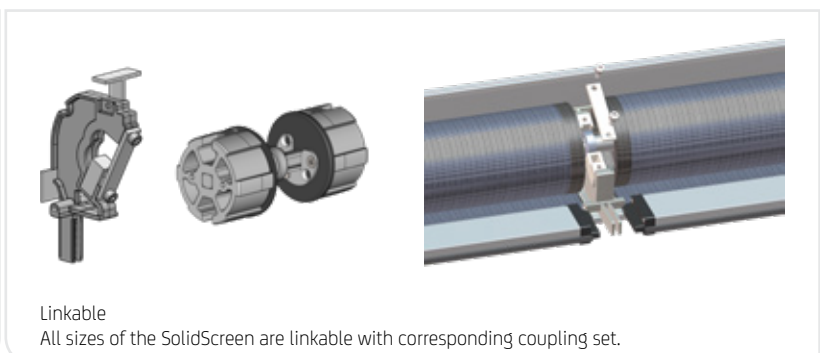
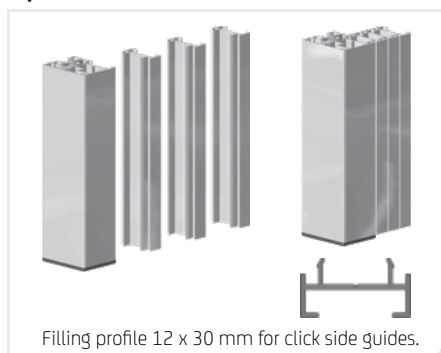


Mounting as contra side guide



Headbox size	Headbox model	Max. width	Max. height	Roller	Additional information
85		3000 mm	1750 mm	63 mm	Manual operation possible. 
95		3000 mm	3000 mm	63 mm	Manual operation possible. 
105		3000 mm 4000 mm	3500 mm 3000 mm	78 mm	Manual operation possible. 
125		5000 mm 3000 mm	3000 mm 5000 mm	78 mm < 4 m. 85 mm > 4 m.	Headbox can be additionally supported with aluminium brackets. 

## Options



# SOLID SCREEN<sup>®</sup> XS

The SolidScreen XS is characterised by its extra small side guides, which measure just 35 mm. 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 options.



## Bottom slat



**Square**  
19,5 x 48 mm



**Rounded**  
22,4 x 48 mm



**Heavy**  
28 x 54,9 mm  
Extra weight. Advised at widths and heights > 3 m. Extra stability to wide screens.

## Side guides



**XS**  
35 x 27,6 mm



**Centre guide XS**  
55 x 27,6 mm



**XS with lip (LHTF)**  
35 x 63,5 mm

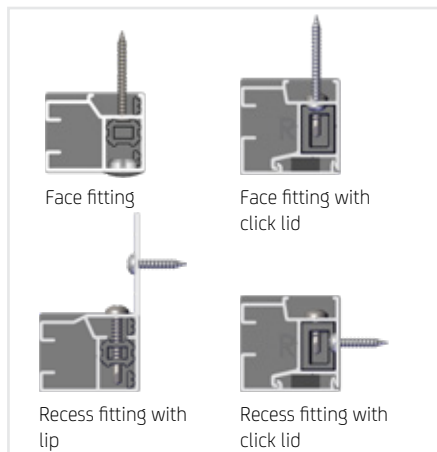


**XS (2 pieces) with clicking lid**  
35 x 33,7 mm

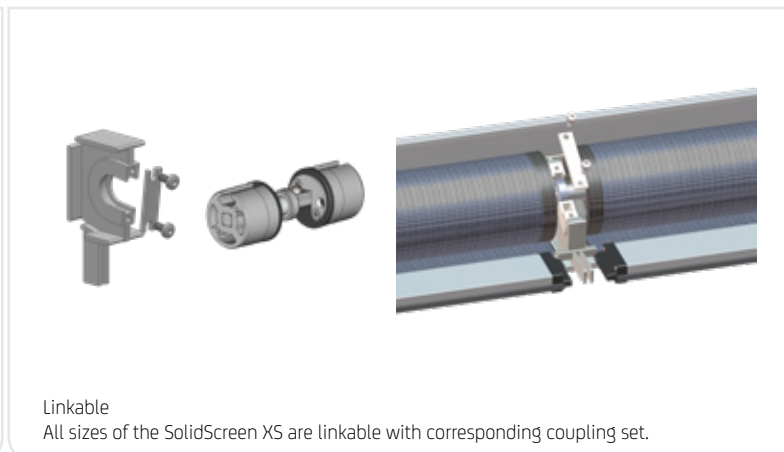


Headbox size	Headbox model	Max. width	Max. height	Roller
75		2700 mm	1750 mm	51 mm
85		2700 mm 3000 mm	2000 mm 1750 mm	51 mm 63 mm
95		3000 mm	3000 mm	63 mm
105		3000 mm 4000 mm	3500 mm 3000 mm	78 mm

## Mounting



## Options



# SOLID SCREEN<sup>®</sup> XL

The SolidScreen XL is characterised by the substantial dimensions in which the screen can be supplied. Its special combination of reinforced materials mean that the SolidScreen XL can be supplied in widths or heights up to six meters.



## Bottom slat



**Heavy**  
28,6 x 41,9 mm  
Extra weight. Advised at  
widths and heights > 3 m.  
Extra stability to wide screens.

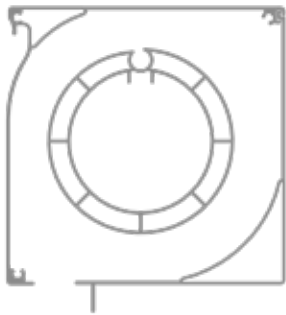
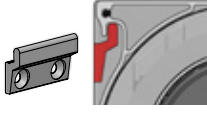
## Side guides



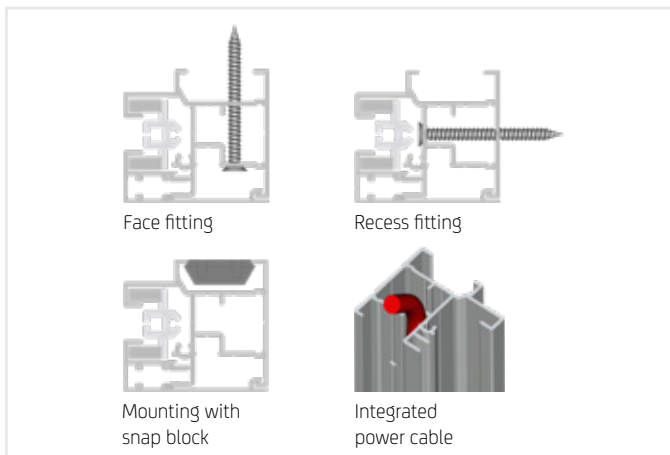
**Xtra**  
45 x 41 mm



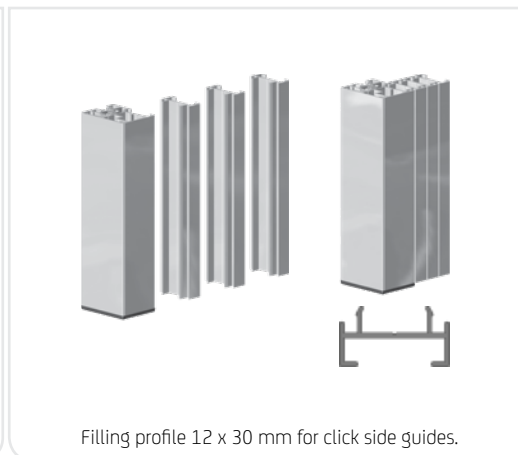


Headbox size	Headbox model	Max. width	Max. height	Roller	Additional information
150		6000 mm 3000 mm	3000 mm 6000 mm	Double-walled Alu fabric roller externally 100 mm. Internally suitable for the special bungs for fabric roller 78. The side guides of the SolidScreen® Xtra are used, for a slightly increased spacing to the wall.	Headbox can be additionally supported with aluminium brackets. 

## Mounting



## Options



# SOLID SCREEN®

## Niche and Niche XS

The SolidScreen Niche and Niche XS distinguish themselves by the way in which 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.



### Bottom slats

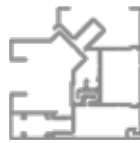


**Standard**  
28,6 x 32,3 mm



**Heavy**  
28,6 x 41,9 mm  
Extra weight. Advised at widths and heights > 3 m. Extra stability to wide screens.

### Side guides



**Niche**  
45 x 45 mm  
Consists of 3 parts



**Niche XS**  
35 x 42,6 mm  
Consists of 3 parts

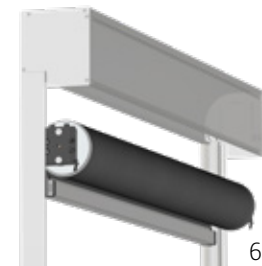
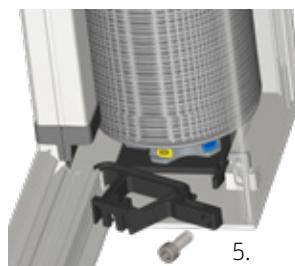
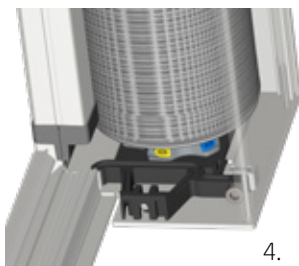
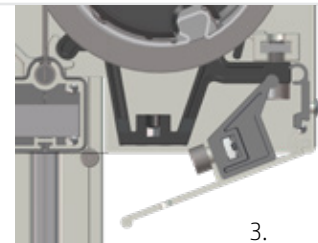
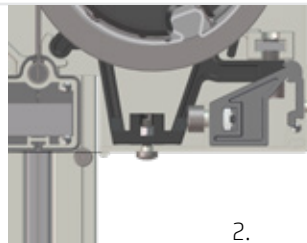
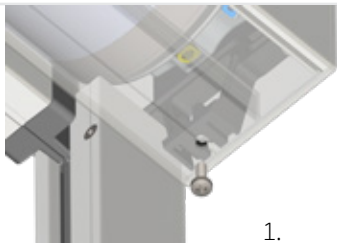


**Niche deep**  
46,7 x 124 mm  
Consists of 4 parts

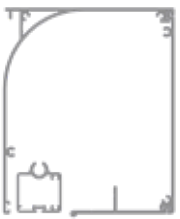
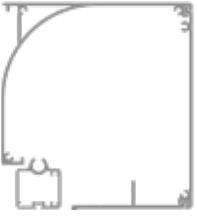


**Niche deep XS**  
35 x 110 mm  
Consists of 3 parts

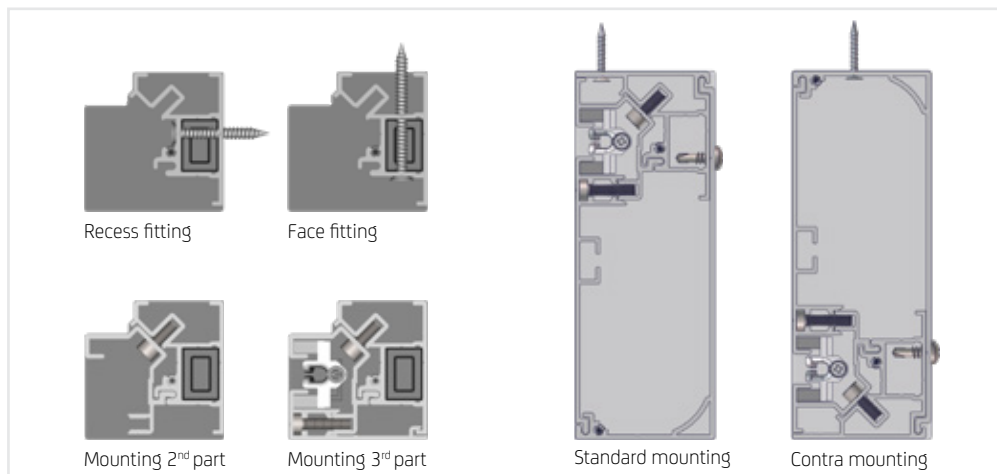
### Disassembly fabric roller





Headbox size	Headbox model	Max. width	Max. height	Roller
H 133,5 D 110	 Niche XS	3000 mm	3000 mm	63 mm
		4000 mm	3000 mm	78 mm
H 133,5 D 123,5	 Niche	3000 mm	3500 mm	78 mm
		4000 mm	3000 mm	78 mm
		5000 mm	2000 mm	85 mm

## Mounting



# SOLID SCREEN<sup>®</sup>

## Xtra

The SolidScreen Xtra, the zip-guided screen for the purist and lover of a flawless design. In addition to all the benefits of a zip-screen, the Xtra is characterized by the fact that fasteners, such as screws, are completely out of sight.



### Bottom slats



**Standard**  
28,6 x 32,3 mm

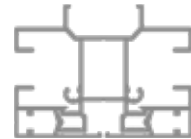


**Heavy**  
28,6 x 41,9 mm  
Extra weight. Advised at widths and heights >3 m.  
Extra stability to wide screens.

### Side guides

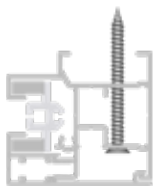


**Xtra**  
45 x 41 mm

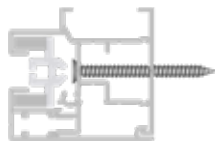


**Centre guide Xtra**  
55 x 41 mm

### Mounting



Face fitting



Recess fitting

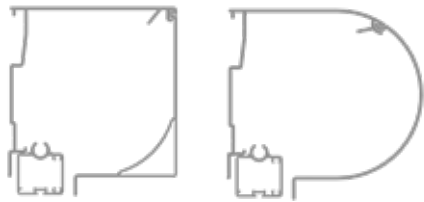
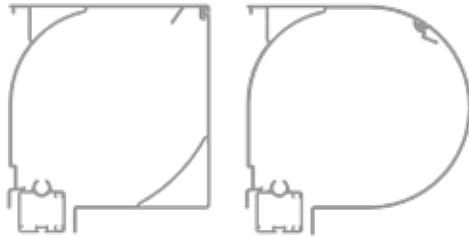
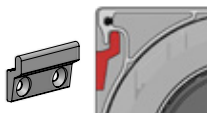


Mounting with  
snap block

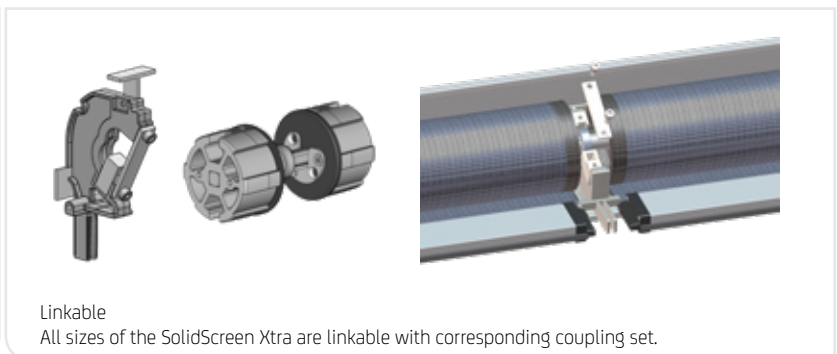
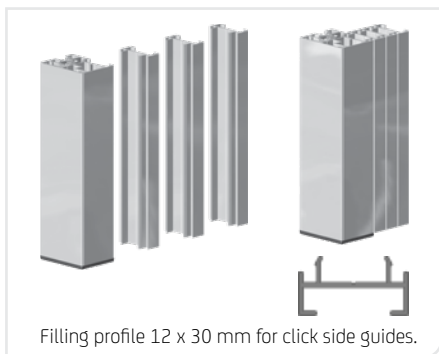


Integrated  
power cable



Headbox size	Headbox model	Max. width	Max. height	Roller	Additional information
105		3000 mm	3000 mm	63 mm	
125		3000 mm 4000 mm 5000 mm	5000 mm 3000 mm 3000 mm	78 mm 78 mm 85 mm	Headbox can be additionally supported with aluminium brackets. 

## Options



# SOLID SCREEN®

JAN DES BOUVRIE

The SolidScreen Jan des Bouvrie basically gives away the secret. It is a model designed by Dutch best-known interior & exterior designer, Jan des Bouvrie. The minimalist design of the SolidScreen Jan des Bouvrie is largely characterised by a cube-shaped headbox.



## Bottom slats



**Square**  
19,5 x 48 mm



**Heavy**  
28 x 54,9 mm  
Extra weight. Advised at widths and heights >3 m. Extra stability to wide screens.

## Side guides

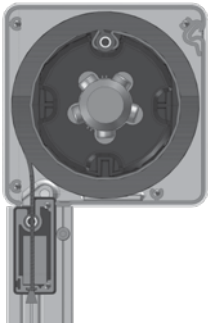


**Standard**  
45 x 34 mm

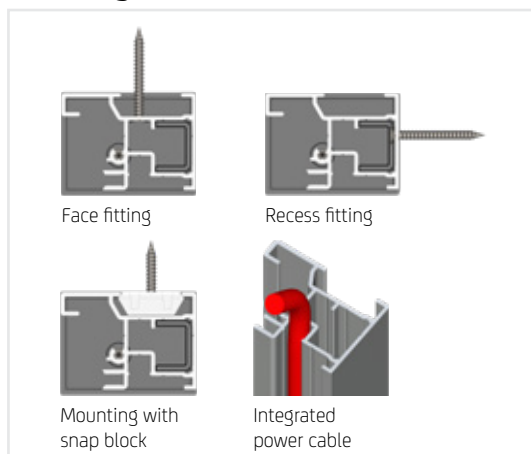


**Closed (patio)**  
45 x 34 mm

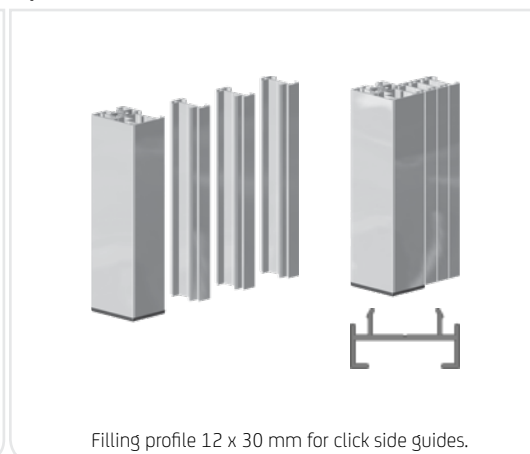


Headbox size	Headbox model	Max. width	Max. height	Roller
105		4000 mm 3000 mm	3000 mm 3500 mm	78 mm 78 mm

### Mounting

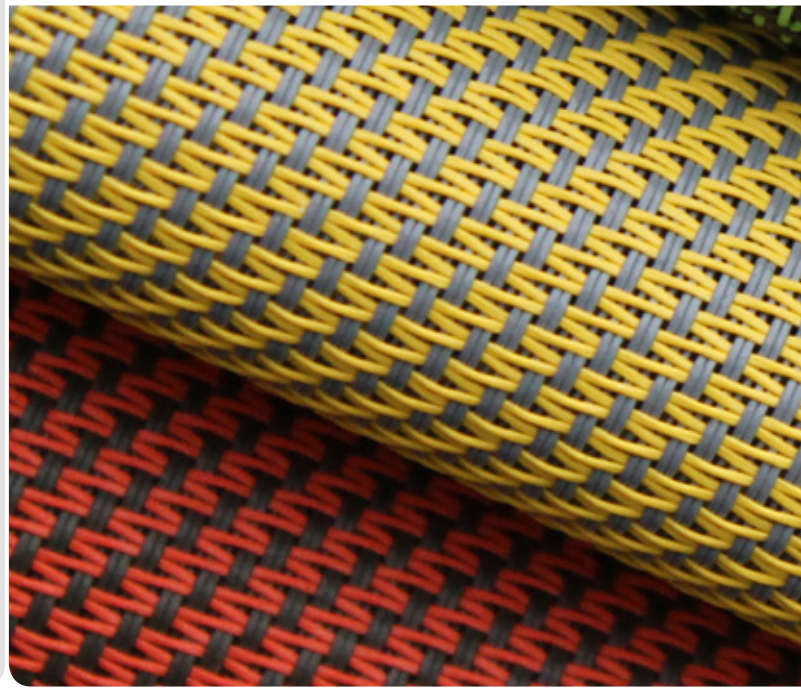


### Options



# 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



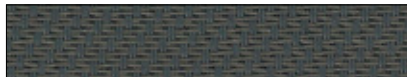
**T70141** white-white-pearl



**T70101** plain white



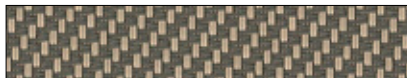
**T71813** black-bronze



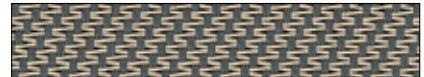
**T71313** plain bronze



**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



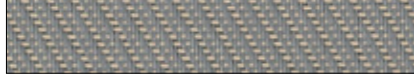
**T30818** grey-black



**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.



# SOLID SCREEN®

Certification



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 13561:2009-01 and DIN EN 1932:2013-08 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. The SolidScreen range emerged from the tests with the highest possible rating, namely class 3.

### Lifespan class

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 13561:2009-01 standard.

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

### Wind resistance class

Wind load is the maximum force of the wind which an opened exterior sun blind can withstand. The overview below indicates the various wind resistance classes.

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

### 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 SolidScreen® dealer:

