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| **FIXSCREEN® 85 built-in (IM5)** |
| Renson Sunprotection-Screens, Industrial zone 1 Flanders Field, Kalkhoevestraat 45, 8790 Waregem – Belgium |
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| **Product features** |
| (text marked in red can be deleted depending on your choice) |
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| **Installation** |
| The system is installed on top of the window frame using brackets -> Built-in without box. |
|  -> The finishing of the screen at the (internal)(wall)side needs to be a removable finishing (plate, profile, …) |
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| **Brackets** |
| Size brackets: 120 mm high and 88 mm deep. Space required: 120 mm x 107 mm. |
| The brackets are after installation made invisible. |
| Are equipped with pins to slide into the side channels. |
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| **Fabric roller** |
| Made of galvanised steel. |
| Recessed fabric slot limits compression of the fabric strap. |
| A patented conical endcap, the motor slide and the electrical motor connector are installed on the motor side. |
| A patented conical endcap and a bearing slide are installed on the bearing side. |
| The patented conical endcaps compensate for the larger ends of the zippers. |
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| **Fabric** |
| All fabrics are in one piece. |
| The vertical borders are equipped with a zipper, making the fabric is windproof in the side channel. |
| The zipper is high-frequency welded, always on the least visible side. |
| ● Glass fibre fabric (semi-transparent): |
| (Fire classification M1) |
|  - Weight: ± 520-620 g/m², thickness: 0.53-0.80 mm |
| ● Polyester fabric (semi-transparent): |
| (Fire classification M1) |
|  - Weight: ± 380-420 g/m², thickness: 0.43-0.45 mm |
|  - Polyester fabric can show wrinkles or folds |
| ● Polyester blackout fabric: |
| (Fire classification M2) |
|  - Weight: ± 650 g/m², thickness: 0.60 mm |
|  - Polyester fabric can show wrinkles or folds |
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| **Dimensions** |
|  - Max. width 2,500 mm and max. height 1,800 mm in 1 part (max. 4.5 m²) |
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| **Side channels** |
| Are made of 2 or 3 extruded aluminum profiles. |
| Dimensions:  |
|  - Side channel in two parts: 34 mm W x 48 mm deep |
| They are screwfixed directly onto the window frame / structure. No screws are visible at the side of the façade. |
| Along with the weighted bottom bar, provides the ideal guide when the fabric moves up and down. |
| The fixation of the brackets on the side channels is by means of pins that fit into the hollow chambers. |
| Each side channel has an integrated HPVC inner rail with a co-extruded, wear-resistant top coating (Smooth technology). |
| The HPVC inner rail is equipped with Neoprene buffer zones (60 mm long) to compensate for heavy wind loads. |
| The zip, which is welded to the fabric, is threaded through this HPVC inner rail, which holds the fabric in place. |
| When installed correctly, there is sufficient tolerance between the fabric, aluminium side channels and the HPVC inner rail to guarantee ease of use. |
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| **Weighted bottom bar** |
| Is made of 1 extruded aluminum profile and is weighted with galvanized steel bars. |
|  - Dimensions and weight of the bottom bar: 34.5 mm H x 25.5 mm thick (excl. sealing strip) = 0.46 kg/lm |
|  - Dimensions and weight of the steel bar: Ø 18 mm = 2 kg/rm if width > 1,200 mm |
| The bar is covered with PE foam to prevent contact between the aluminium and steel. |
| Is equipped with plastic endpieces. Available in four colours: black, white, grey and cream |
| Is equipped with a plastic sealing strip to seal off the sill. Available in 2 colours: black and grey |
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| **Guide system** |
| **Smooth technology** |
| Guides the bottom bar and the fabric. |
| Thanks to the patented Smooth technology, the movement of the zipper in the HPVC inner rail is smooth and silent. |
| This intelligent HPVC inner rail is equipped with a patented, wear-resistant layer. |
|  - guarantees a taut fabric with fewer wrinkles |
|  - does not need yearly maintenance with a lubricant |
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| **Colour** |
| All visible aluminum profiles (side channels and bottom bar) are powder-coated in the same RAL-color (60-80 µm) or anodized (20 µm) as the external joinery. |
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| **Control** |
| Electrical: using a 230 VAC tubular motor, without manual emergency override |
| The connection is included in the sun protection set. |
| Includes a cable equipped with a UV-resistant jacket. |
| The power supply and all wiring are included in the electrical set. |
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| **Warranty**  |
| 10-year warranty on all coatings on the aluminium elements. |
| 7-year warranty on the Fixscreen-technology. |
|  - zip remains in side channel |
|  - optimal adhesion of zip to fabric |
| 5-year warranty on all defects arising from normal home use and regular maintenance. |
| 5-year warranty on gloss (coatings). |
| 5-year warranty on the electronic operating system (Somfy® motorisation & automation). |
| 5-year warranty on the fabric collection. |
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| **Wind class** |
| This screen meets European standard EN13561. |
| Guaranteed up to 130 km/h when closed. |
|  - EN 13561:2004+A1:2008 in accordance with wind resistance class 3 |
|  - NBN EN 13561:2015, in accordance with wind resistance class 6. The norm hasn’t been published yet on a European level. The results are subject to changes. |
|  - The wind resistance depends on the screen dimensions (W x H) and is available on request |
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| **Standards and certificates** |
| This product is manufactured in accordance with and/or has been tested according to: EN 13561 |
| EU declaration of conformity - In accordance with the following directives: |
|  - Machinery Directive 2006/42/EC |
|  - Low Voltage Directive 2014/35/EU |
|  - EMC Directive 2014/30/EU |
| References and certificates: |
|  - Declaration of performance DOP-2015SC00002 |