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| **FIXSCREEN® 100EVO Surface-mounted (IM 1 & IM 6)** |
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| 2018 02 05 Sholv |
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| **Product features** |
| (text marked in red can be deleted depending on your choice) |
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| **Installation**  |
| This system is installed in front of the window frame, with fully finished box -> Surface-mounted. |
| The side supporting end pieces of the box, which support the roll-up mechanism and are equipped with pins, connect the box to the side guiding channels. |
| A side supporting end piece is equipped with the female part of the electrical connection. |
| The cable feed is equipped in the box or is equiped in the side supporting end piece. |
| During the installing of the fabric roller (fabric roller + fabric) the electrical connection is made. |
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| **Box**  |
| Dimensions: 100 mm high and 100 mm depth |
| Box design: Softline (round shape) or Square (rectangular) |
| Profiles are made of extruded aluminium. |
| Box prolongation / Box extension is possible. |
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| **Side guiding channels**  |
| Are made of 2 or 3 extruded aluminum profiles. |
| Dimensions : |
|  - open side guiding channel in 2 parts of 35 mm wide and 48 mm depth (Standard). Cable can be concealed in side guiding channels |
|  - closed side guiding channel in 2 parts of 35 mm wide and 48 mm depth |
| The side guiding channels (open & closed) are pre-drilled (first chamber). |
|  - coupling side guiding channel in 3 parts of 58 mm wide and 48 mm depth |
| They are screwfixed directly onto the window frame/structure. No screws are visible at the side of the façade. |
| Each side guiding channel has an integrated HPVC inner rail with a co-extruded, wear-resistant top layer. |
| The HPVC inner rail is equipped with Neoprene buffer zones (60 mm long) to compensate heavy wind loads. |
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| **Fabric roller**  |
| Made of galvanised steel. |
| An integrated recessed fabric groove limits compression of the fabric strap. |
| A patented conical end piece of the fabric roller, the motor slide and the electrical connection are installed on the motor side. |
| A patented conical end piece of the fabric roller and a bearing slide are installed on the bearing side. |
| The conical end pieces of the fabric roller compensate for the larger ends of the zippers. |
| The electrical connection allows easy installation and removal of the fabric roller from the box. |
| You can remove the fabric rolling tube from the side of the box with the removable profile, in this way the left or right handside positioning can be determined. |
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| **Fabric** |
| All screens are a single piece of fabric, except when the height is greater than the width of the fabric roller. |
| The fabric is manufactured horizontally. |
| The vertical borders are equipped with a zipper, ensuring a windproof fabric in the side guiding channel. |
| The zipper is high-frequency welded, always on the least visible side. |
| Dimensions applicable fabrics, see price list. |
| ● Fibreglass fabric (semi-transparent): |
|  - Fire class: M1 (NFP 92503), C-s3d0 (Euroclass EN 13501-1) |
|  - Weight: ± 520-620 g/m², thickness: 0.53-0.80 mm |
| ● Fibreglass fabric (blackout): |
|  - Fire class: M1 (NFP 92503) |
|  - Weight: ± 660 g/m², thickness: 0.75 mm |
| ● Polyester fabric (semi-transparent): |
|  - Fire class: M1 (NFP 92503), B-s2d0 (Euroclass EN 13501-1) |
|  - Weight: ± 380-420 g/m², thickness: 0.43-0.45 mm |
| ● Polyester fabric (blackout): |
|  - Fire class: M2 (NFP 92503), B-s2d0 (Euroclass EN 13501-1) |
|  - Weight: ± 650 g/m², thickness: 0.60 mm |
| ● PVC-free polyester fabric: |
|  - Weight: ± 350 g/m², thickness: 0.85 mm |
| ● PVC-free acrylic fabric: |
|  - Weight: ± 290 g/m², thickness: 0.60 mm |
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| **Weighted bottom bar** |
| Is made of 1 extruded aluminum profile and is weighted with galvanized steel bars. |
| In case of a round shaped box (Softline): |
|  - Dimensions and weight of the bottom bar: 45 mm high x 26 mm thick (excl. sealing strip) = 0.60 kg/rm |
|  - Dimensions and weight of the steel bar: Ø 22 mm = 3 kg/rm if width ≤ 2,000 mm |
|  - Dimensions and weight of the steel bar: Ø 18 mm = 2 kg/rm if width > 2,000 mm |
| In case of a rectangular box (Square): |
|  - The welded seam is hidden in the bottom bar |
|  - Dimensions and weight of the bottom bar: 50 mm high x 30 mm thick (excl. sealing strip) = 0.90 kg/rm |
|  - Dimensions and weight of the steel bar: 25 mm high x 15 mm thick = 3 kg/rm |
| The bar is covered with PE foam to prevent contact between the aluminium and steel. |
| Is equipped with uPVC end pieces. Available in four colours: black, white, grey and cream |
| Is equipped with a uPVC sealing strip to seal off the sill. Available in 2 colours: black and grey |
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| **Colour** |
| All visible aluminium profiles (box, side guiding channels and bottom bar) are powder-coated in the same RAL colour (60-80 µm) or anodised (20 µm), as the external joinery. |
| The side supporting end pieces made of cast aluminium, are powder-coated in the same colour as the profiles. |
| The side supporting end pieces of anodised profiles (box, side guiding channels and bottom bar) are powder-coated in MAT 9006. |
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| **Control** |
| Electrical by 230 V AC tubular motor, without manual emergency override |
|  - Detecto (motor with obstacle detection) is possible |
| The motorconnection is included in the sun protection batch. |
| Includes a UV-resistant cable. |
| The electrical connection and all additional wiring are included in the electrical set. |
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| **Electrical connection**  |
| The male part is located on the motor slide; the female part of the electrical connection is in the corresponding side supporting end piece. Both parts are each time screwfixed. |
| When the fabric roller is installed in the box, the sliders move in the straight guide profile of both side supporting end pieces. |
| This allows the male part to slide perfectly into the female part of the electrical connection. |
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| **Guarantee**  |
| 10-year warranty on all coatings on the aluminium profiles. |
| 7-year warranty on the windproof-technology: |
|  - zip remains in side guiding 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 motors. |
| 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 class 3 |
|  - ⌂ Windtunnel testreport 'Force Technology' institute (N° 113-25809): wind resistance guaranteed up to 126 km/h when closed (tested for a screen of 3,000 mm x 3,000 mm) |
|  - ⌂ 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: |
|  - RAP VV/GDB-20100927-1 certificate |
|  - RAP DO/GDB-20110318-1 certificate |
|  - RAP DO/GDB-20110321-1 certificate |
|  - RAP MCO20140514-1 certificate |
|  - Issued by J. VAN HEMELEN, Kortrijk, Belgium |
|  - Declaration of performance DOP-2015SC00002 |
|  - Declaration of performance DOP-2015SC00004 |