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| **Roll-A-Shade® ZipShade® 100 SLIM Recessed Installation­­** |
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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 in front of a construction and/or integrated into a construction and can be: |
|  -> Surface-mounted directly on a construction |
|  -> Concealed and/or integrated into a construction |
|  -> Standard or 'Freestanding' F without underlaying windowframe |
| Installation method 7A (Standard) and 7B (with reversed box and side channels). |
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| **Box** |
| Dimensions: 150 mm high x 110 mm deep |
| Box design: Square (rectangular) |
| The box consists of 2 fixed profiles and a removable bottom profile. |
| Profiles are made of extruded aluminium. |
| The side supporting end pieces of the box, which support the roller mechanism and are equipped with pins, connect the box to 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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| The fabric roller can be removed downwards from the side with the removable profile, which will define the position of the motor on the left or right hand side. |
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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, making the fabric is windproof in the side channel. |
| The zipper is high-frequency welded, always on the least visible side. |
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| **Dimensions** |
| Semi-transparent fabric: |
|  - Max. width 4,500 mm and max. height 2,800 mm or max. width 3,000 mm and max. height 3,500 mm in 1 part (max. 12.6 m²) |
| Blackout fabric: |
|  - Min. width 1,000 mm; max. width 2,000 mm and max. height 2,800 mm in 1 part (max. 5.6 m²) |
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| **Dimensions if 'Freestanding' F** |
| Semi-transparent fabric (glass fibre fabric): |
|  - Max. width 4,500 mm and max. height 2,800 mm in 1 part (max. 12.6 m²) |
| Blackout fabric: NOT POSIBBLE |
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| **Side channels** |
| Are made of 2 or 3 extruded aluminum profiles. |
| Dimensions:  |
|  - Depth side channel in three parts (standard): 35 mm W x 110 mm deep |
|  - Closed side channel in three parts: 35 mm W x 48 mm deep |
|  - Coupling side channel in three parts: 58 mm W x 48 mm deep |
| Equipped with a nose section that allows the basic width of the profile to be kept to a minimum. |
| They are screw fixed 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 box is fixed on the side channels by means of pins in the side supporting endpieces that slide 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. |
| Disappears into the box. |
|  - Dimensions and weight of the bottom bar: 46 mm H x 30 mm thick (excl. sealing strip) = 0.85 kg/lm |
|  - 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 |
|  - Dimensions and weight of the steel bar: 30 mm H x 20 mm thick = 4.7 kg/rm if 'Freestanding' F |
| The bar is covered with PE foam to prevent contact between the aluminium and steel. |
| Is equipped with plastic endpieces.  |
| 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 aluminium profiles (box, side channels and bottom bar) are powder-coated in the same RAL colour (60-80 µm)  |
| The side supporting end pieces are cast aluminum and are painted in the same colour as the profiles. |
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| **Control** |
| Electrical: using a 120 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 if standard; |
| 5-year warranty on the Fixscreen-technology if 'Freestanding' F: |
|  - 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 (2-year warranty for Crystal window). |
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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. |
|  - Wind tunnel test report 'Force Technology' institute (N° 113-25809): wind resistance guaranteed up to 127 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 |
| Guaranteed up to 60 km/h when closed if 'Freestanding' F (EN 13561:2004+A1:2008 in accordance with wind resistance class 3). |
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