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| **TOPFIX SOLAR®** |
| RENSON Sun Protection-Screens, Maalbeekstraat 10, IZ 2 Vijverdam, B-8790 Waregem - Belgium |
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| 2024 02 12 - PM\_Screens |
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| **Product characteristics** |
| (text highlighted in red can be deleted depending on your choice) |
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| **Installation** |
| This product is installed on a closed structure (e.g. a skylight) with or without mounting bases. |
| Installation is possible with the head box on top |
| In the case of direct window installing, deflection of the bottom bar must be taken into account. |
| If the Topfix Solar is installed across several glass sections, it is strongly recommended to use mounting bases in order to avoid contact between the bottom bar and the window profile |
| The inclination angle may vary between 0° and 90°. The usage of a type of fabric is defined in function of the inclination angle. |
| On the head box is located the Solar Wing with integrated solar panel and battery |
| The Solar Wing can be positioned either on the left or right |
| The corner of the Solar Wing is adjustable |
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| **Head box** |
| Dimensions head box excl. Solar Wing: 105 mm height and 100 mm depth |
| Dimensions Solar Wing: 655 mm x 100 mm x 70 mm |
| Profiles are made of extruded aluminium. |
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| **Side guiding channels** |
| Are made of 2 extruded aluminum profiles. |
| Dimensions : |
| - Side guiding channel: W 58 mm x D 48 mm, in 2 parts |
| Each side guiding channel has an integrated UPVC inner rail with a co-extruded, wear resistant top layer to ensure smooth and silent functioning . |
| The HPVC inner rail is equipped with 2 S profiles on each side, to compensate heavy wind loads. |
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| **Fabric tube** |
| Made of galvanised steel. |
| An integrated recessed fabric groove limits compression of the fabric loop. |
| Is equipped with patented cone shaped fabric tube end pieces to compensate the thicker ends of the zipper. |
| They also contain a cord disk to roll up the tension cord. |
| You can disassemble the fabric set on the side of the removable profile of the head box; the left or right position is determined in this way (cable feed). |
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| **Fabric** |
| All fabrics consist of a single piece of fabric, except if the height is greater than the fabric tube width. |
| The fabrics are confectionated horizontally. |
| The vertical borders are equipped with a zipper to keep the fabric firmly (windproof) in the side guiding channel. |
| The zipper is welded at high frequency, always on the least visible side. |
| ● Polyester fabric (semi-transparent): |
| - Fire resistance: M1 (NFP 92503), B-s2d0 (Euroclass EN 13501-1) |
| - Weight: ± 380-420 g/m², thickness: 0.43-0.45 mm |
| ● Polyester fabric (blackout): |
| - Fire resistance: M2 (NFP 92503), B-s2d0 (Euroclass EN 13501-1) |
| - Weight: ± 650 g/m², thickness: 0.60 mm |
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| **Bottom bar** |
| Is made of 2 extruded aluminum profiles. |
| - Dimensions bottom bar: H 90 mm x D 50 mm (excl. sealing strip) |
| The tension system is concealed in the bottom bar. To reduce contact noise between the pull spring and the aluminium bottom bar, the internal side of the aluminium profile has an adhered noise reduction strip. |
| 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 two colours: black and grey |
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| **Tension system** |
| The revolutionary system pre-tensions the cord by means of springs located in the bottom bar. |
| The tension system is unique in combination with our technology. This ensures a windproof screen in any position. |
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| **Colour** |
| All visible aluminium profiles (head box, side guiding channels and bottom bar): Powder coated (60-80 µm) in the same colour or anodised (20 µm), as the external joinery. |
| The side supporting end caps (cast aluminium): Powder coated (60-80 µm) in the same colour as the profiles. |
| For anodised profiles, the side supporting end caps are powder coated in MAT 9006 (head box, side guiding channels and bottom bar). |
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| **Control** |
| Electrical: operated by 12 V DC tubular motor, battery and solar panel, without emergency manual control. |
| 12 V DC tubular motor is powered by a rechargeable battery (charged with a solar panel). |
| The motor connection is included in the sun protection category. |
| Can be coupled with wind sensor or automatic wind/sun control. |
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| **Warranty** |
| 10-year warranty on coatings on the aluminium profiles. |
| 7-year warranty on motors. |
| 7-year warranty on the windproof-technology: |
| - Zipper remains in side guiding channel |
| - Adhesion of zipper to fabric |
| 5-year warranty on defects arising from normal domestic use and regular maintenance. |
| 7-year warranty on the electronic control. |
| 5 years on Solar Wing inclusive battery. |
| 5-year warranty on the fabric collection. |
| Every individual sun protection product can be identified afterwards and linked to a warranty number or a unique screen ID. |
| This identification occurs via a QR code, which is placed within reach (without the use of tools) and easily scannable with a smartphone. |
| The essential product details (dimensions, colours, type of fabric, motor type, etc.) can be consulted at any time. |
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| **Wind class** |
| ⌂ Guaranteed up to 120 km/h in closed position if H (height of the mounting bases) = 80 mm (EN 13561:2004+A1:2008 conform wind class 3)\*. |
| \* Wind tunnel test report 'Von Karman Institute' (n° EAR0852 - 2009-07) (W 3,000 mm x P 3,000 mm) |
| ⌂ Guaranteed up to 80 km/h in closed position if H (height of the mounting bases) = 160 mm (EN 13561:2004+A1:2008 conform wind class 3). |
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| **Standards and certificates** |
| ⌂ This product is manufactured in accordance with: EN 13561 and conforms to and/or has been tested in accordance with these standards |
| References and certificates: |
| - Declaration of performance: DoP-201409-F006 |