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| **PANOVISTA® surface mounted, integrated (IM7)** |
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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 a construction and/or integrated into a construction and can be: |
|  -> Surface-installed directly on a construction |
|  -> Concealed and/or integrated into a construction |
| The side supporting endpieces of the box, which support the roller mechanism and are equipped with pins, connect the box to the side channels. |
| This system is always installed as an exterior angle of 90°. |
| Due to the 'Connect&Go-technology', it's possible to install the box and the side channels in advance and to secure them afterwards. |
| The electrical connection is made when installing the fabric roller (fabric roller + fabric). |
| Maximum load that the construction needs to carry is 170N/m box. |
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| **Dimensions** |
| A 90° angle is created by installing the two parts of the system's box against one another. |
| A motor is fitted into one of the two parts of the system. |
| The following is applicable to both parts: |
| Minimal Width: |
|  - 650 mm if the motor is not included in the section |
|  - 800 mm if the motor is included in the section |
|  - Maximal Width: 4,000 mm |
|  - Maximal Height: 2,800 mm (incl. box height); the height of both parts must be identical |
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| **Box** |
| The system consists of two mitred boxes, which create a combined box with an angle of 90° when installed. |
| Every box consists of 2 fixed profiles and a removable bottom profile. |
| Dimensions: 150 mm high x 110 mm deep |
| Box design: Square (rectangular) |
| Profiles of extruded aluminium. |
| Fixed on the perpendicular construction on top or lying behind,or flat construction. |
| The side supporting endpiece of one box is equipped with the female part of the electrical connector (Connect&Go-technology). |
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| **Side channels**  |
| The system consists of two parts, each of which is equipped with a side channel. There is no aluminium side channel or cable guiding system in the corner. |
| Are made of 3 extruded aluminium 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 |
| Equipped with a nose section that allows the basic width of the profile to be kept to a minimum dimension. |
| 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 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. |
| 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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| **Fabric roller**  |
| The system consists of two fabric rollers that are connected at a 90° angle. The connection is created using hypoid stainless steel gears which are fixed in a corner bracket. |
| This connection ensures that both fabric rollers (incl. fabric) operate simultaneously. |
| Made of galvanised steel. |
| Recessed fabric slot limits compression of the fabric strap. |
| Hypoid gears are fitted to both corner sides. |
| A patented conical endpiece of the fabric roller, the motor slide and the electrical motor connector are installed on the motor side. |
| A patented conical endpiece of the fabric roller and a bearing slide are installed on the bearing side. |
| The conical endpieces of the fabric roller compensate for the larger ends of the zippers. |
| The electrical connector allows for easy installation and removal of the fabric roller in the box. |
| Every 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** |
| The system consists of two pieces of fabric, where the fabric can be rolled up and down simultaneously. |
| 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 border on one side of each piece of fabric is equipped with a zipper, making the fabric windproof in the side channel. |
| The vertical border on the corner side of each piece of fabric is equipped with a seal belt. |
| The zipper and seal belt are high-frequency welded, always on the least visible side. |
| ● Fibreglass fabric (semi-transparent): |
| (Fire classification M1) |
|  - Weight: ± 520-620 g/m², thickness: 0.53-0.80 mm |
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| **Weighted bottom bar** |
| The system consists of two mitred bottom bars, which create a combined bottom bar with an angle of 90° when installed. |
| Disappears into the box. |
| Each bottom bar is made of a single extruded aluminium profile and is entirely weighted with galvanised steel bars. |
| Joint together by means of a corner piece. |
|  - Dimensions and weight of the bottom bar: 46 mm H x 30 mm thick (excl. sealing strip) = 0.85 kg/rm |
|  - Dimensions and weight of the steel bar: 30 mm H x 20 mm thick (excl. sealing strip) = 4.7 kg/rm |
| The bar is covered with PE foam to prevent contact between the aluminium and steel. |
| Is equipped with uPVC endpieces. 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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| **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. |
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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) or anodised (20 µm), as is the external joinery. |
| The side supporting endpieces are cast aluminium and are powder-coated in the same colour as the profiles. |
| The side supporting endpieces of anodised profiles (box, side channels and bottom bar) are powder-coated in MAT 9006. |
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| **Control** |
| A motor is fitted into one of the two parts of the system. |
| Electrical by 230 V AC tubular motor, without manual emergency override |
| The connection is included in the sunprotection batch. |
| 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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| **Connect&Go-technology** |
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| The male part is located on the motor slide; the female part of the electrical connector is in the corresponding side supporting endpiece. 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 endpieces. |
| This allows the male pin part to slide perfectly into the female pin part. |
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| **Warranty**  |
| 10-year warranty on all coatings on the aluminium profiles. |
| 5-year warranty on the fabric collection. |
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| **Wind class** |
| Guaranteed up to 37 km/h when closed. |
| Wind sensor required. |
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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-2015SC00004 |