



DSC-C2 P2

FLAT ROOF SMOKE VENTILATION WINDOW OPENED ELECTRICALLY WITH A TRANSPARENT DOME AND P2 GLAZING UNIT

I. APPLICATION

PVC smoke ventilation window with the base designed for flat roofs.

| Parameter | Value/type | Marking |
|-------------------|---|---------|
| Roof angle | 0° - 15° | |
| Roofing base type | membrane, roofing felt paper, green roofs, gravel roofs | - |

IV. TECHNICAL PARAMETERS

| Parameter | Unit | Value | Harmonized standard | |
|--|----------------------|--------------------------------|--------------------------|--------|
| Active smoke ventilation area A_a | [m ²] | 0,44 (for the size 100x100) | EN 12101-2:2003 | |
| | | 0,57 (for the size 120x120) | | |
| Wind load resistance | WL 2000 | | | |
| Snow load resistance | SL 450 | | | |
| Resistance to fire | F | | | |
| Low ambient temperature | T(-05) | | | |
| Resistance to high temperature | B300 | | | |
| Reliability | RE 1000 | | | |
| U_g | [W/m ² K] | 1,1 | | EN 673 |
| τ_v | [%] | 57,7 | | EN 410 |
| g | [%] | 43,5 | | |
| U_w | [W/m ² K] | 1,0 (for the size 120x120) | EN 14351-1:2006 +A1:2010 | |
| Geometric smoke ventilation area | [m ²] | 0,90 (for the size 100x100) | - | |
| | | 1,32 (for the size 120x120) | | |
| Glazing unit | | 4H – Tg14Ar-33.2T | | |

II. WINDOW SET ELEMENTS

| N.. | Element | Quantity | Description |
|-----|--|----------|--|
| 1. | The sash equipped with dome and glazing unit, the frame integrated with the installation base which is foundation of the window, lifting mechanism with electric actuators | 1 | P2 glazing unit with external glass toughened and safe internal glass, polycarbonate dome, the sash and foundation made of multi-chamber PVC profiles, 4 scissor mechanisms, 2 electric actuators 24V DC |
| 2. | Assembly set | 1 | |
| 3. | Profiles mounting the roofing | 4 | Profiles mechanically mounting roofing to the frame |

III. SIZES

There are available 2 standard sizes.

| DSC-C2 P2 | window width [cm] | | | | | | |
|-----------|-------------------|-----|-----|-----|-----|-----|-----|
| | 95 | 100 | 105 | 110 | 115 | 120 | 125 |
| 95 | | | | | | | |
| 100 | | | | | | | |
| 105 | | | | | | | |
| 110 | | | | | | | |
| 115 | | | | | | | |
| 120 | | | | | | | |
| 125 | | | | | | | |

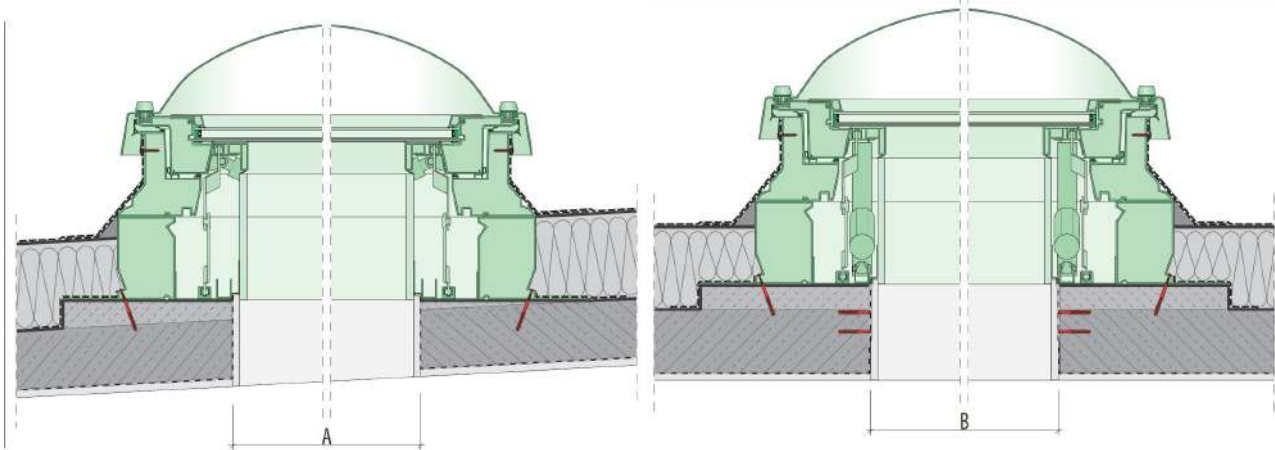
Standard size
Unavailable size

V. DECLARATION OF PERFORMANCE

| Harmonized standard for the product | Marking | Declaration of Performance No. |
|-------------------------------------|---------|--------------------------------|
| EN 12101-2:2003 | CE | R100/CPR/12101/xx* |

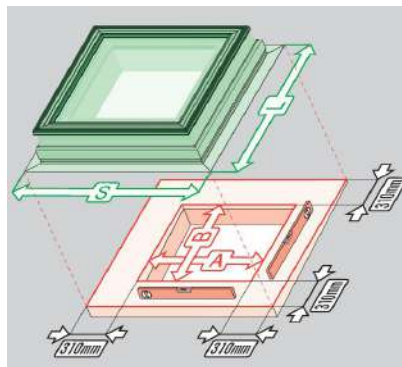
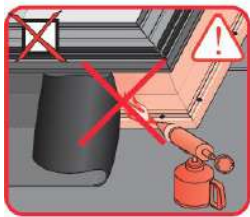
* - year of the declaration, e.g. R100/CPR/12101/16 issued in 2016

VI. ASSEMBLY INFORMATION



Window must be installed horizontally.
Foundation of the window must have a minimum of 310mm in width.
Do not heat up PVC profiles!

Window commercial size is an opening size in the roof (size A, B). Tolerance of the opening dimensions within +3 cm per side is possible



| DSC | A | B | SL | |
|---------|-----------|-----------|------|------|
| | [mm] | | [mm] | |
| 100x100 | 1000-1030 | 1000-1030 | 1620 | 1620 |
| 120x120 | 1200-1230 | 1200-1230 | 1820 | 1820 |

VII. DETAILED SIZES

| Window size [cm] | Size symbol | Frame external size | Distance between lining groves | Glazing size | Height |
|---------------------|-------------|---------------------|--------------------------------|--------------|--------|
| | | S x L | p x q | j x k | h |
| [mm] | | | | | |
| 100 x 100 | 07K | 1620 x 1620 | 976 x 976 | 950 x 950 | 586 |
| 120 x 120 | 08K | 1820 x 1820 | 1176 x 1176 | 1150 x 1150 | 586 |

