



## DEG P2

ELECTRICALLY OPENED FLAT ROOF WINDOW WITH DOUBLE P2 GLAZING UNIT

### I. APPLICATION

Plastic window/skylight with the base intended for flat roofs.

| Parameter         | Value/Type                                              | Marking |
|-------------------|---------------------------------------------------------|---------|
| Roof angle        | 2° - 15°                                                |         |
| Roofing base type | membrane, roofing felt paper, green roofs, gravel roofs | -       |

### IV. TECHNICAL PARAMETERS

| Parameter                               | Unit    | Value                                               | Harmonized standard     |
|-----------------------------------------|---------|-----------------------------------------------------|-------------------------|
| U <sub>w</sub>                          | [W/m²K] | 0,92                                                | EN 14351-1:2006+A2:2016 |
| U <sub>f</sub>                          | [W/m²K] | 0,78                                                |                         |
| ψ                                       | [W/mK]  | 0,030                                               |                         |
| R <sub>w</sub>                          | [dB]    | npd*                                                |                         |
| Wind load resistance                    |         | Klasa C5                                            |                         |
| Snow load resistance                    |         | 4H-14-33.2 + 4H<br>4H-14-33.2 + 6H                  |                         |
| Resistance to fire                      |         | npd*                                                |                         |
| Resistance to external fire             |         | npd*                                                |                         |
| Watertightness Unshielded (A)           |         | E1200                                               |                         |
| Impact resistance                       |         | Klasa 5 – 950 mm                                    |                         |
| Load bearing capacity of safety devices |         | npd*                                                |                         |
| Air permeability                        |         | Klasa 4                                             | EN 1279-5 + A2:2010     |
| U <sub>g</sub>                          | [W/m²K] | 1,1                                                 |                         |
| Glazing unit***                         |         | 4H – Tg14Ar- 33.2T + 4H<br>4H – Tg14Ar – 33.2T + 6H |                         |

\* no performance determined

\*\*depend on window size

### V. DECLARATION OF PERFORMANCE

| Harmonized standard for the product | Marking | Declaration of Performance No. |
|-------------------------------------|---------|--------------------------------|
| EN14351-1:2006 +A2:2016             | CE      | <b>R82/CPR/14351/xx*</b>       |

\* - declaration's release year, eg. R82/CPR/14351/17 released in 2017

### II. WINDOW SET ELEMENTS

| NO. | Element                                                      | Quantity | Description                                                                                                               |
|-----|--------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------|
| 1.  | Sash equipped with glazing unit, frame is base of the window | 1        | P2 - anti-burglary<br>Multi-chamber PVC profile.                                                                          |
| 2.  | Assembly set                                                 | 1        |                                                                                                                           |
| 3.  | Profiles mounting roofing                                    | 4        | Profiles mechanically mounting roofing to the frame                                                                       |
| 4.  | Remote control                                               | 1        | ZWP15 multi-channel remote control compatible with Z-Wave system                                                          |
| 5.  | Servo-motor                                                  | 1<br>2*  | ZWS12 servo-motor, power voltage 15V, compatible with Z-Wave system, maximum sash tilt: 150mm<br>* for sizes from 120x120 |
| 6.  | Supply unit                                                  | 1        | ZZ60h supply unit                                                                                                         |
| 7.  | Rain sensor                                                  | 1        |                                                                                                                           |

### III. SIZES

There are available 9 standard sizes.

|                                    |     | Window width A=from 60 to 220 cm |      |      |      |      |     |      |     |
|------------------------------------|-----|----------------------------------|------|------|------|------|-----|------|-----|
|                                    |     | 60                               | 70   | 80   | 90   | 100  | 110 | 120  | 130 |
| Window height B= from 60 to 220 cm | 60  | 0,23                             |      |      |      |      |     |      |     |
|                                    | 70  |                                  | 0,33 |      |      |      |     |      |     |
|                                    | 80  |                                  |      | 0,46 |      |      |     |      |     |
|                                    | 90  | 0,37                             |      |      | 0,6  |      |     |      |     |
|                                    | 100 |                                  |      |      |      | 0,77 |     |      |     |
|                                    | 110 |                                  |      |      |      |      |     |      |     |
|                                    | 120 |                                  |      |      | 0,83 |      |     | 1,16 |     |
|                                    | 130 |                                  |      |      |      |      |     |      |     |
|                                    | 140 |                                  |      |      |      |      |     |      |     |
|                                    | 150 |                                  |      |      |      | 1,21 |     |      |     |

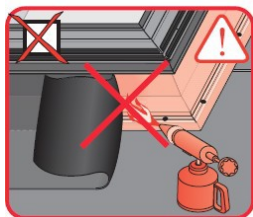
0,23 - effective glazing area, standard size

## VI. ASSEMBLY INFORMATION



Window commercial size is an opening size in the roof (size A, B). Tolerance of the opening dimensions within +5 cm per side is possible.

Do not heat up PVC profiles



| DEG     | A B       |           | SL   |      |
|---------|-----------|-----------|------|------|
|         | [mm]      |           | [mm] |      |
|         |           |           |      |      |
| 60x60   | 600-650   | 600-650   | 820  | 820  |
| 60x90   | 600-650   | 900-950   | 820  | 1120 |
| 70x70   | 700-750   | 700-750   | 920  | 920  |
| 80x80   | 800-850   | 800-850   | 1020 | 1020 |
| 90x90   | 900-950   | 900-950   | 1120 | 1120 |
| 90x120  | 900-950   | 1200-1250 | 1120 | 1420 |
| 100x100 | 1000-1050 | 1000-1050 | 1220 | 1220 |
| 120x120 | 1200-1250 | 1200-1250 | 1420 | 1420 |
| 100x150 | 1000-1050 | 1500-1550 | 1220 | 1720 |

## VII. DETAILED SIZES

| Window size | Size symbol | Frame external size | Distance between lining grooves | Glazing size | Height |
|-------------|-------------|---------------------|---------------------------------|--------------|--------|
|             |             | S x L               | p x q                           | j x k        | h      |
| [cm]        |             | [mm]                |                                 |              |        |
| 60 x 60     | 01K         | 820 x 820           | 558 x 558                       | 476 x 476    | 191    |
| 60 x 90     | 02K         | 820 x 1120          | 558 x 858                       | 476 x 776    | 191    |
| 70 x 70     | 03K         | 920 x 920           | 658 x 658                       | 576 x 576    | 191    |
| 80 x 80     | 04K         | 1020 x 1020         | 758 x 758                       | 676 x 676    | 191    |
| 90 x 90     | 05K         | 1120 x 1120         | 858 x 858                       | 776 x 776    | 191    |
| 90 x 120    | 06K         | 1120 x 1420         | 858 x 1158                      | 776 x 1076   | 191    |
| 100 x 100   | 07K         | 1220 x 1220         | 958 x 958                       | 876 x 876    | 191    |
| 120 x 120   | 08K         | 1420 x 1420         | 1158 x 1158                     | 1076 x 1076  | 191    |
| 100 x 150   | 10K         | 1220 x 1720         | 958 x 1458                      | 876 x 1376   | 191    |

