



# Flat roof windows

Product catalogue - 2023





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For over 32 years we've been developing our products to ensure they are of the highest quality. At OKPOL we believe the quality of daylight has a huge effect on our comfort and wellbeing. We are a family company that has a passion for quality, and for producing innovative and relevant products suitable for our market place. We deliver our products across the world and ensure they all exceed current building and safety requirements. We invest in new machinery and equipment to enable us to continuously improve our products to ensure the highest quality and offer great value for money.





**We have been  
building dreams with  
you for 30 years!**



# Comfort and quality

## » Modern **design**

What do a "cube" type house, modern housing and modern public utility buildings have in common? First of all, a passion for simple forms which are often crowned with a flat roof. When selecting solutions for flat roofs, architects should pay attention to providing sufficient natural light and good air quality. Flat roof windows are a solution that meets the above needs, and at the same time enables an extraordinary arrangement of space. It is a modern type of attic joinery, where the slope of the flat roof does not exceed 15°. Openable models in the OKPOL's offer and fixed fit perfectly into the contemporary architecture residential and public facilities.

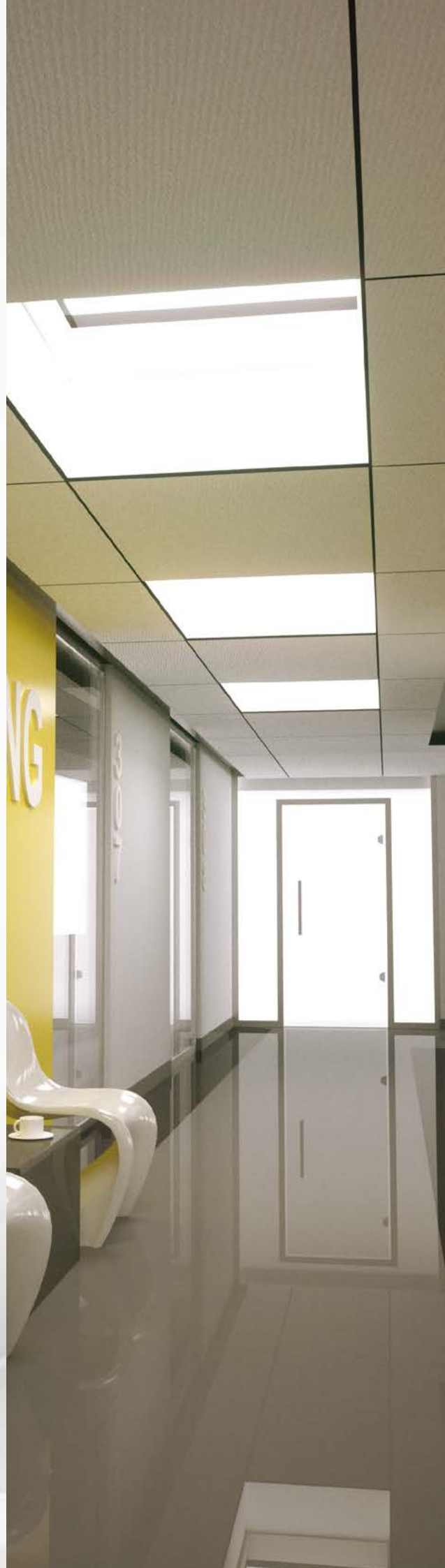
## » **U value** of windows

U<sub>w</sub> - the thermal transmittance coefficient of the windows for reference sizes 1,23 (±25%)m x 1,48 (-25%)m, according to norm EN ISO 10077-1 / EN ISO 10077-2.

## » Flat roof windows **equipment**

OKPOL flat roof windows are available in two variants: non-opening and opening. In the case of the opening variant, easy and convenient operation of the sash is ensured by the multi-channel remote control included in the package. The mounting kit also includes a 230V electric chain motor with a travel speed of 8 millimeters per second. The actuator is placed on the sash, thanks to which the influence of weather conditions on its operation and life has been minimized. Those windows are also equipped with a special rain detector - a device that automatically closes the tilted sash when it rains.

OKPOL flat roof windows are made of multi-chamber PVC profiles filled with polyurethane foam and polystyrene inserts, thanks to which they provide very good thermal and insulation parameters. Windows are also highly resistant to moisture from rain or snow. Thanks to the materials used, the windows do not need any additional maintenance, making them a perfect solution, for example, for a bathroom located in the attic. The P2A glazing units used in the windows ensure safety of use.



# Good to know...

## » Advantages of having windows in a flat roof

- ✓ they lighten the room better than any other glazing type
- ✓ they light up even the darkest corners where installation of a vertical window is impossible
- ✓ openable windows provide the fresh air circulation without causing drafts
- ✓ they help decrease the humidity level in your house
- ✓ they create a wow factor and add value to your home.
- ✓ they provide the smoke extraction in the kitchens
- ✓ they enable the water vapour drainage in the bathrooms
- ✓ make you feel good thanks to so much sunlight entering your house

## » Icons defining window features



Noise reduction  
on 36-38 dB level



Remotely  
controlled



Weather conditions  
resistant



Easy  
installation



Fresh air  
circulation



Maintenance  
free



Equipped with a rain sensor  
- closes automatically while  
sensor is covered with rain



WALK-ON  
window

## We'll meet even the hardest challenges!

For your specially customized order we can make a triangle-shaped window for your flat roof. If your project needs a different shape, make sure you let us know. We'll meet the challenge with pleasure!



**10 YEAR**

GUARANTEE  
FOR WINDOWS

**5 YEAR**

GUARANTEE  
FOR GLASS

The warranty conditions are specified  
in the warranty card available  
at [www.okpol.com](http://www.okpol.com)





# Skylight integrated with EPDM flashing RESET



VERSA WVR V8 RESET is available in user-friendly sizes. The access hatch is made of impregnated, pine wood, bonded in layers. It has a drainage gutter, a handle for opening the sash (it can be opened in 3 positions) and a closing limiter, so that the sash does not close uncontrollably during work on the roof. VERSA WVR V8 RESET set also include a threshold - effectively protecting the woodwork when exiting through the skylight and pressing the lower part of the frame with footwear. The sash of the access roof can be installed on the right or left side - user decision at any time - also after the installation. VERSA RESET WVR V8 can be installed on roofs with an angle of 5 to 75 degrees, in most roof coverings (universal flange). The product can be installed in horizontal combinations using one type of flashing, in any number, leaving only a 12 cm gap between them.



**15 min**

**THE QUICKEST  
INSTALLATION**

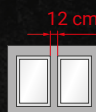


**FOR MOST  
ROOF  
COVERINGS**



**5°-75°**

**ROOF PITCH\***



**COMBI GRATIS!**

The product can be installed in horizontal combinations using one type of flashing, in any number, leaving only a 12 cm gap between them.



**HIGHEST  
RESISTANCE**

The flashing is resistant to:

- stretching
- mechanical damage
- weather conditions (UV radiation)



# VERSA WVR V8 RESET

ROOF SKYLIGHT  
OPENING



## Parameters:

| Glazing unit            | V8              |
|-------------------------|-----------------|
| glazing unit structure  | 4H/14/33.2 (AR) |
| glazing unit            | 3 - glazed      |
| gas                     | argon           |
| laminated inner pane    | ✓               |
| external toughened pane | ✓               |
| warm spacer             | ✓               |
| glazing cross-section   |                 |



## Profile

|                                     |   |
|-------------------------------------|---|
| wooden / pine profile               | ✓ |
| warm carpentry color - natural pine | ✓ |

## Equipment

|                                    |   |
|------------------------------------|---|
| tile support                       | ✓ |
| opening restrictor                 | ✓ |
| threshold                          | ✓ |
| sealing wedges with EPDM           | ✓ |
| drainage gutter                    | ✓ |
| sash locking handle in 3 positions | ✓ |
| EPDM flashing                      | ✓ |

roof pitch 5°-75°

window cross-section



## Sizes:

|                                   |       |
|-----------------------------------|-------|
| Window sizes: width x height [cm] | 47×73 |
| VERSA RESET WVR V8                | ✓     |





# Roof window integrated with EPDM flashing RESET



The EPDM RESET collar is a complete novelty on the window joinery market. It is resistant to stretching, mechanical damage and weather conditions. It can be used for most roofing materials. The installation of the IGX F1 RESET window, which takes about 15 minutes, speeds up the roofer's work. The mounting angle ranges from 5 to 90 degrees. Our super-energy-efficient window has a heat transfer coefficient of  $U_w = 0.79 \text{ W / m}^2\text{K}$  and has as much as 40% more glazing than a standard roof window. The material used reduces noise caused by drops of rain or hail. RESET products are resistant to UV rays. The IGX window, in the innovative RESET technology, provides excellent design, functionality and safety. Safe glazing class P2A, has an outer toughened pane and an inner laminated pane. The heat transfer coefficient of the package is  $U_g = 0.5 \text{ W / m}^2\text{K}$ .



**15 min**

**THE QUICKEST  
INSTALLATION**



**FOR MOST  
ROOF  
COVERINGS**



**5°-90°**

**ROOF PITCH\***



**COMBI GRATIS!**

The product can be installed in horizontal combinations using one type of flashing, in any number, leaving only a 10, 12, 14, 16 cm gap between them.



**HIGHEST  
RESISTANCE**

The flashing is resistant to:

- stretching
- mechanical damage
- weather conditions (UV radiation)



Watch installation  
movie



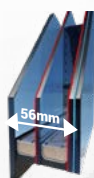
# IGX F1 RESET

ROOF WINDOW  
NON-OPENING



## Parameters:

| Glazing unit             | F1                                |
|--------------------------|-----------------------------------|
| glazing unit structure   | 6H/18/4TH/20/44.2T (AR)           |
| U value of glazing       | $U_g = 0,5 \text{ W/m}^2\text{K}$ |
| glazing unit             | 4-glazed                          |
| gas                      | argon                             |
| laminated inner pane P2A | ✓                                 |
| external toughened pane  | ✓                                 |
| low-emission coat        | ✓                                 |
| warm spacer              | ×2                                |
| glazing cross section    |                                   |



## Profile

|                                 |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |

**U value of window**  $U_w = 0,79 \text{ W/m}^2\text{K}$

**roof pitch**  $5-90^\circ / 15-90^\circ^*$

window cross section



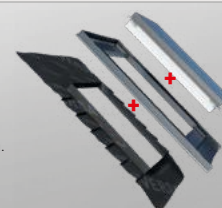
## Sizes:

|                                  |       |
|----------------------------------|-------|
| size symbol                      | 01P   |
| window size: width x height [cm] | 78×98 |
| <b>IGX F1 RESET</b>              | ✓     |

IGX F1 window with EPDM RESET is a set which includes:

- 4-glazed roof window IGX F1,
- EPDM flashing RESET,
- underfelt collar AKP.

Elements are integrated - it speeds the installation.



# Non-opening basic window

PGX A1 is an incredibly fashionable solution for both new homes with flat roofs and existing properties considering an extension. Thanks to the frame made from PVC, this window is incredibly resistant to any weather conditions and does not need any additional maintenance. It is ideal for rooms with a high humidity level such as kitchens, bathrooms and laundry rooms. The toughened external pane and inter-pane laminate ensure the best level of safety. PGX A1 provides outstanding and glamorous lighting, makes the room amazingly unique and, at the same time, maintains really high thermal parameters.



Suitable for each  
and every room






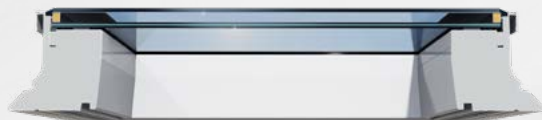
# PGX A1

FLAT ROOF WINDOW  
**NON-OPENING**















## Parameters:

| Glazing unit             | A1  |
|--------------------------|---|
| glazing unit structure   | 6H/18/44.2T (AR)  |
| U value of glazing       | U <sub>g</sub> = 1,0 W/m²K  |
| glazing unit             | single chamber  |
| gas                      | argon   |
| laminated inner pane P2A | ✓   |
| external toughened pane  | ✓   |
| low-emission coat        | ✓   |
| warm spacer              | ✓   |
| glazing cross section    |  |

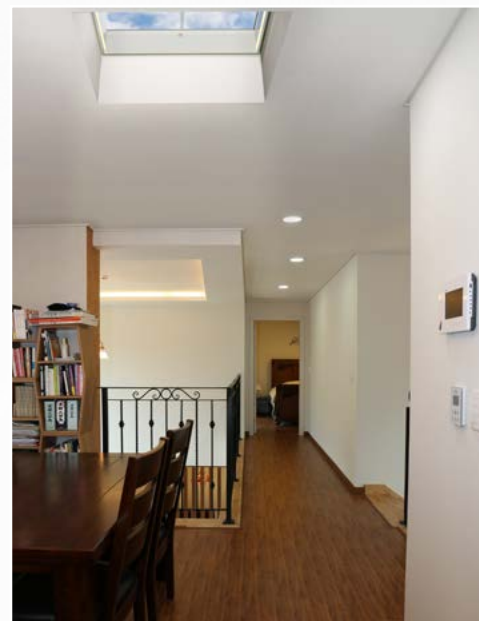
| Profile                         |  |
|---------------------------------|--|
| multi-chambered PVC             | ✓  |
| white profile                   | ✓  |
| PU-foam filling                 | ✓  |
| maintainance free               | ✓  |
| weather conditions resistant    | ✓  |
| available in non-standard sizes | ✓  |
| U value of window               | U <sub>w</sub> = 0,99 W/m²K  |
| roof pitch                      | 2°-15°   |
| window cross section            |  |

## Sizes:

|                                  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| size symbol                      | 01P   | 02P   | 12P   | 03P   | 04P   | 05P   | 06P   | 07P  | 08P   | 09P   | 10P   | 11P   |
| window size: width x height [cm] | 60×60   | 90×60   | 120×60  | 70×70   | 80×80   | 90×90   | 120×90  | 100×100  | 150×100   | 120×120   | 140×140   | 220×120   |
| PGX A1                           | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   |

# Non-opening window with LED light

PGX A1 LED window is a unique solution for those, who not only want to enjoy the wonderful natural sunlight, but also like the subtle light from a special LED's placed directly on the window frame. The tape is remotely controlled - you can set the light intensity, the colour of the light and some extra effects such as blinking and pulsing. LED's are famous for their longevity (they can work up to 50.000 hours), energy efficiency and high luminous efficiency (angle of diffusion equals 120 degrees). The colour choice is absolutely limitless - you can pick one of the millions RGB combinations. 7 basic shades are presented on the remote control.



Enjoy the sunlight  
and when it gets  
dark, just turn on the  
subtle LED light

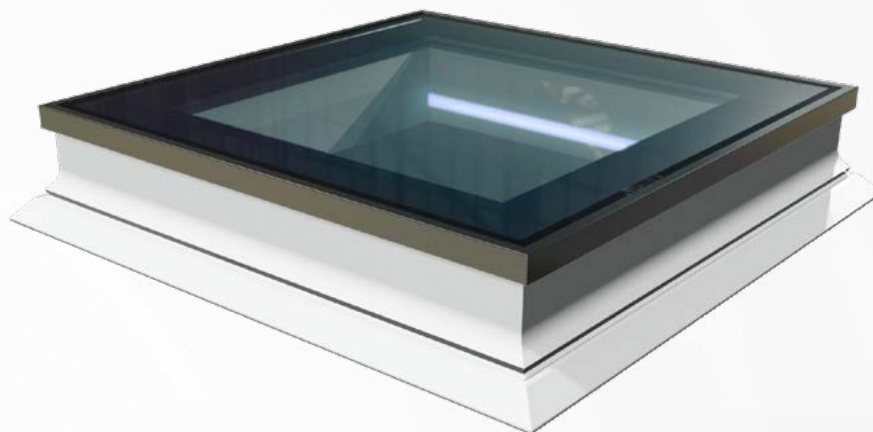
REMOTE  
CONTROL AP3





# PGX A1 LED

FLAT ROOF WINDOW  
**NON-OPENING**



## Parameters:













| Glazing unit             | A1                                |
|--------------------------|-----------------------------------|
| glazing unit structure   | 6H/18/44.2T (AR)                  |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$ |
| glazing unit             | single chamber                    |
| gas                      | argon                             |
| laminated inner pane P2A | ✓                                 |
| external toughened pane  | ✓                                 |
| low-emission coat        | ✓                                 |
| warm spacer              | ✓                                 |
| glazing cross section    |                                   |



| Profile                         |                                    |
|---------------------------------|------------------------------------|
| multi-chambered PVC             | ✓                                  |
| white profile                   | ✓                                  |
| PU-foam filling                 | ✓                                  |
| maintainance free               | ✓                                  |
| weather conditions resistant    | ✓                                  |
| available in non-standard sizes | ✓                                  |
| <b>U value of window</b>        | $U_w = 0,99 \text{ W/m}^2\text{K}$ |
| <b>roof pitch</b>               | 2°-15°                             |
| window cross section            |                                    |



## Sizes:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|---|---|---|---|---|---|--|---|---|---|---|
| size symbol                              | 01P   | 02P   | 12P   | 03P   | 04P   | 05P   | 06P   | 07P  | 08P   | 09P   | 10P   | 11P   |
| window size: width x height [cm]         | 60×60   | 90×60   | 120×60  | 70×70   | 80×80   | 90×90   | 120×90  | 100×100  | 150×100   | 120×120   | 140×140   | 220×120   |
| <b>PGX A1</b><br>with remote control AP3 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   |

# Non-opening window with switchable glass

PGX A4 is absolutely unique! That is the window, that besides its wonderful lighting facilities and design values, has another additional, extraordinary asset - a switchable glass! Once you've pressed a button on a remote control, the pane transforms from opaque into completely transparent, as if it was touched by a magic wand. Such miracles happen thanks to the liquid crystal technology placed in between the panes that reacts to the electric current beam. Such solution enables more privacy and intimacy whenever you need and delicately disperses the light entering the room.



One touch of a button  
and the glass  
transforms  
from transparent  
into opaque (matte)

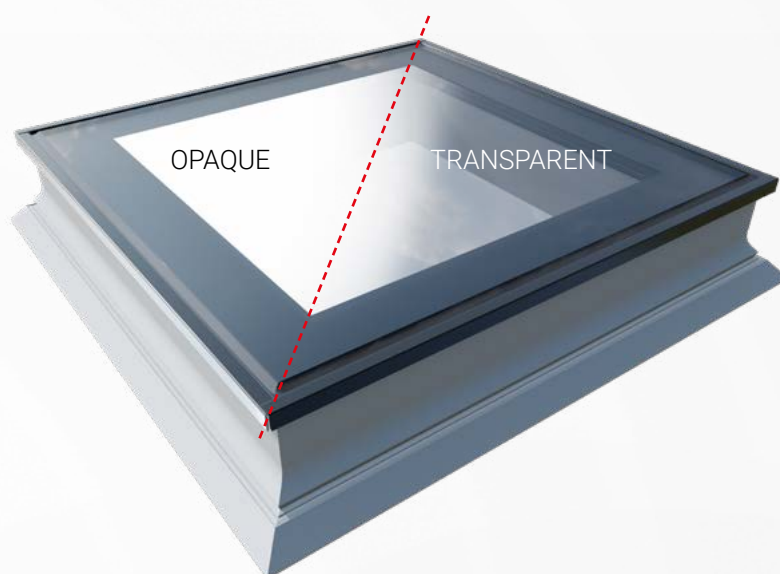
**Control kit**  
AP5 remote control  
ASP1 control panel  
acting as a switch






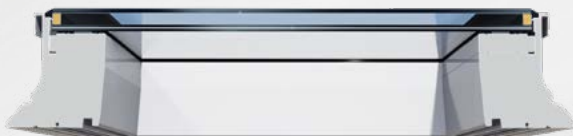
# PGX A4 with switchable glass

FLAT ROOF WINDOW  
**NON-OPENING**



## Parameters:

| Glazing unit             | A4  |
|--------------------------|---|
| glazing unit structure   | 6TH/16/44.4<br>[2xTVG + folia Smart Glass] (AR)                                     |
| U value of glazing       | U <sub>g</sub> = 1,0 W/m²K  |
| glazing unit             | single chamber  |
| gas                      | argon   |
| laminated inner pane P2A | ✓   |
| external toughened pane  | ✓   |
| low-emission coat        | ✓   |
| warm spacer              | ✓   |
| glazing cross section    |  |

| Profile                         |  |
|---------------------------------|--|
| multi-chambered PVC             | ✓  |
| white profile                   | ✓  |
| PU-foam filling                 | ✓  |
| maintainance free               | ✓  |
| weather conditions resistant    | ✓  |
| available in non-standard sizes | ✓  |
| <b>U value of window</b>        | U <sub>w</sub> = 0,99 W/m²K  |
| <b>roof pitch</b>               | 2°-15°   |
| window cross section            |  |

## Sizes:

| size symbol                                 | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|---|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm]            | 60×60 | 90×60 | 120×60 | 70×70 | 80×80 | 90×90 | 120×90 | 100×100 | 150×100 | 120×120 | 140×140 | 220×120 |
| <b>PGX A4 with control kit (AP5 + ASP1)</b> | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       |         |

# Electrically opening window

PGC A1 window with a opening sash, opening up to 20 cm height is a perfect solution for highly humid rooms such as kitchens, bathrooms and laundry rooms. As every flat roof window from our catalogue, PGC A1 is made from water resistant PVC, but its additional value in favour of using it in "wet rooms" is the airing possibility. The air circulation takes place without any persisten drafts - the air smoothly enters the room. The window is equipped with a rain sensor - whenever the sensor detects the rain, it automatically closes the window. It's resistant to mist, freezing, dew and humidity. PGC A1 is remotely controlled.



Open the window  
via remote control  
and let the fresh air in

## REMOTE CONTROL:

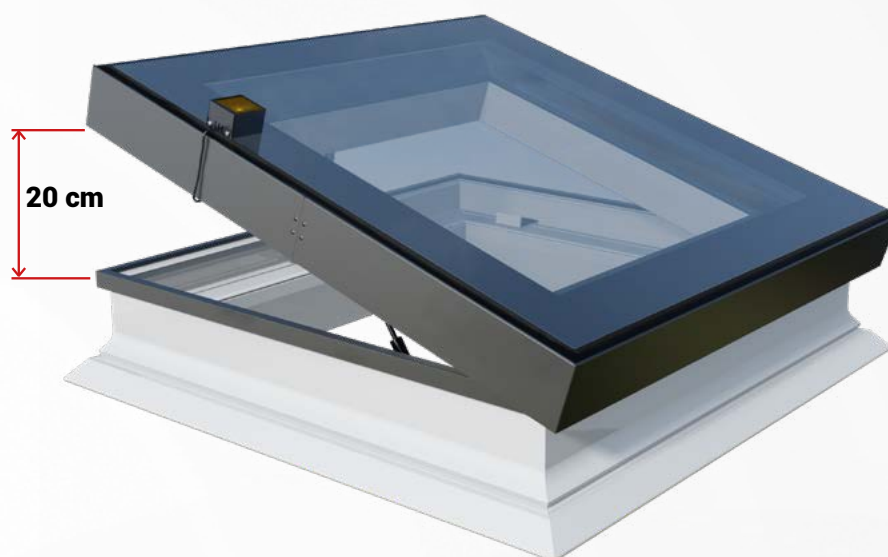
remote radio control  
(multi-channel)






# PGC A1 electrical opening

FLAT ROOF WINDOW  
**OPENING**



## Parameters:

| Glazing unit             | A1  |
|--------------------------|---|
| glazing unit structure   | 6H/18/44.2T (AR)  |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$   |
| glazing unit             | single chamber  |
| gas                      | argon   |
| laminated inner pane P2A | ✓   |
| external toughened pane  | ✓   |
| low-emission coat        | ✓   |
| warm spacer              | ✓   |
| glazing cross section    |  |

| Profile                         |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |

**U value of window**  $U_w = 1,2 \text{ W/m}^2\text{K}$

**roof pitch**  $2^\circ\text{--}15^\circ$

window cross section

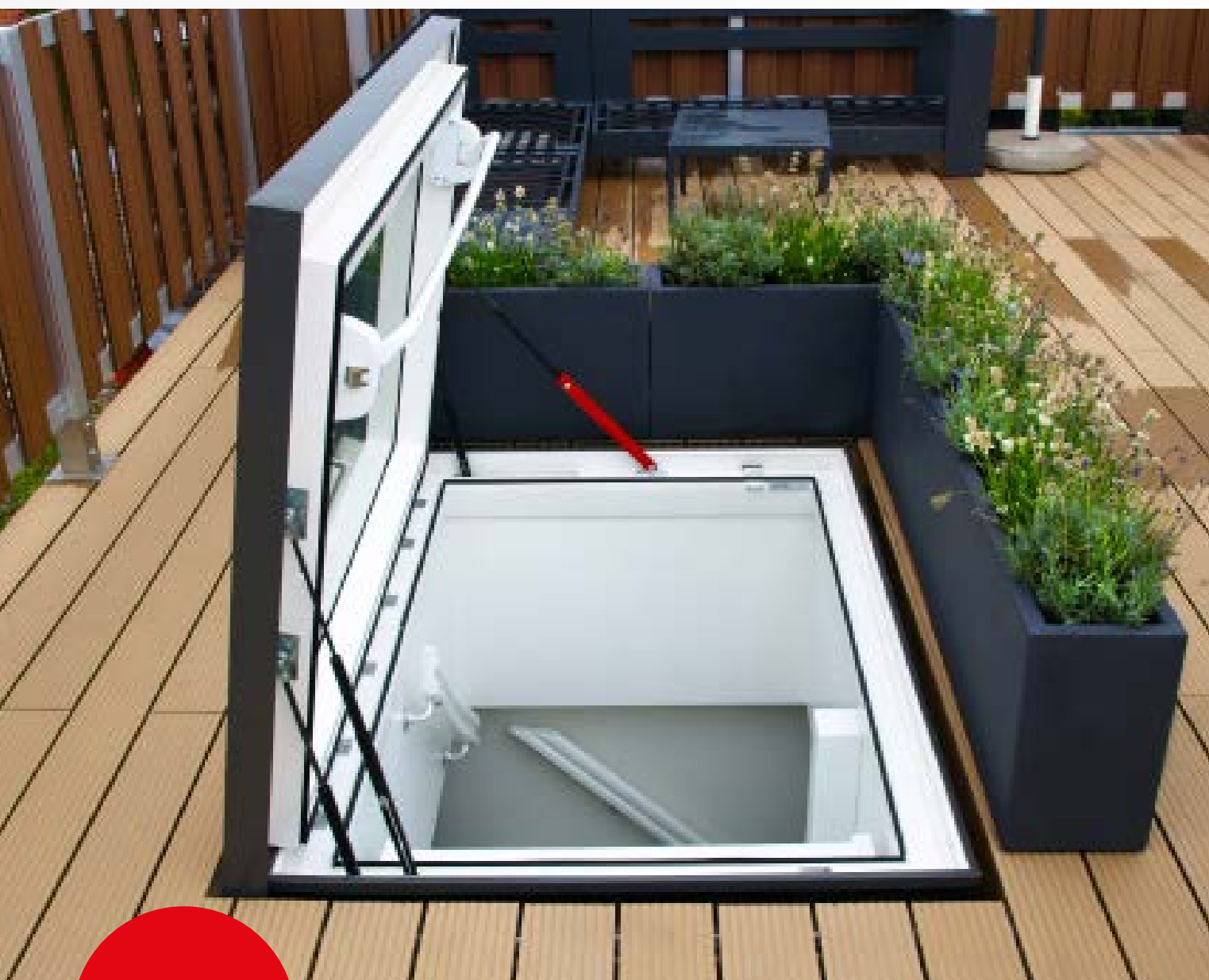
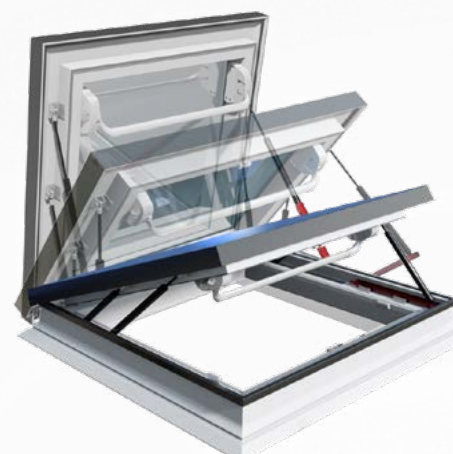


## Sizes:

| size symbol                           | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|---------------------------------------|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm]      | 60×60 | 90×60 | 120×60 | 70×70 | 80×80 | 90×90 | 120×90 | 100×100 | 150×100 | 120×120 | 140×140 | 220×120 |
| <b>PGC A1 with AP4 remote control</b> | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       |         |         |

# Window with manual opening

PGM A1 is opened using an ergonomic handle. The window allows ventilation of the room, free access to the roof and safe evacuation. The wing thanks to the actuators stops in three practical positions, the largest of which is up to 80 degrees!



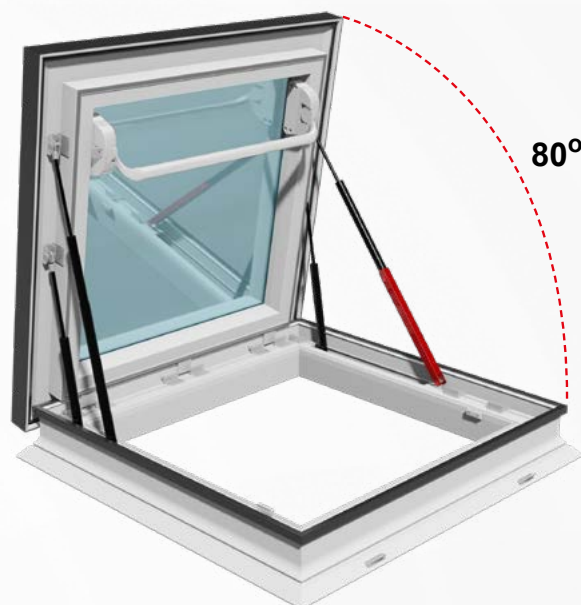
The sash opens  
to the 80-degree  
position!





# PGM A1 manual opening

FLAT ROOF WINDOW  
**OPENING**



## Parameters:

| Glazing unit             | A1                                |
|--------------------------|-----------------------------------|
| glazing unit structure   | 6H/18/44.2T (AR)                  |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$ |
| glazing unit             | single chamber                    |
| gas                      | argon                             |
| laminated inner pane P2A | ✓                                 |
| external toughened pane  | ✓                                 |
| low-emission coat        | ✓                                 |
| warm spacer              | ✓                                 |
| glazing cross section    |                                   |



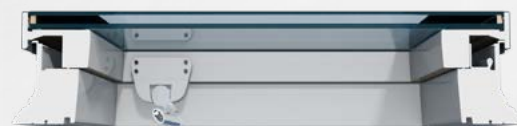
## Profile

|                                 |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |

**U value of window**  $U_w = 1,2 \text{ W/m}^2\text{K}$

**roof pitch**  $2^\circ\text{--}15^\circ$

window cross section



## Sizes:

| size symbol                      | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|----------------------------------|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm] | 60×60 | 90×60 | 120×60 | 70×70 | 80×80 | 90×90 | 120×90 | 100×100 | 150×100 | 120×120 | 140×140 | 220×120 |
| <b>PGM A1</b>                    |       | ✓     |        |       |       | ✓     | ✓      | ✓       | ✓       | ✓       |         |         |

It is not possible to install a roller shutter in that window.

# Non-opening window you can walk on

PGX A5 is the most durable window in our offer. The special glazing unit is incredibly load-bearing and load-resistant. Such construction makes walking on a window possible. To ensure your safety we use a cameo dot non slip coating. PGX A5 will function perfectly as unction perfectly to lighten your room and maximse the functional space on your roof garden. It can be used for green roofs as well and give the owners of the flat roofs new arranging possibilities.



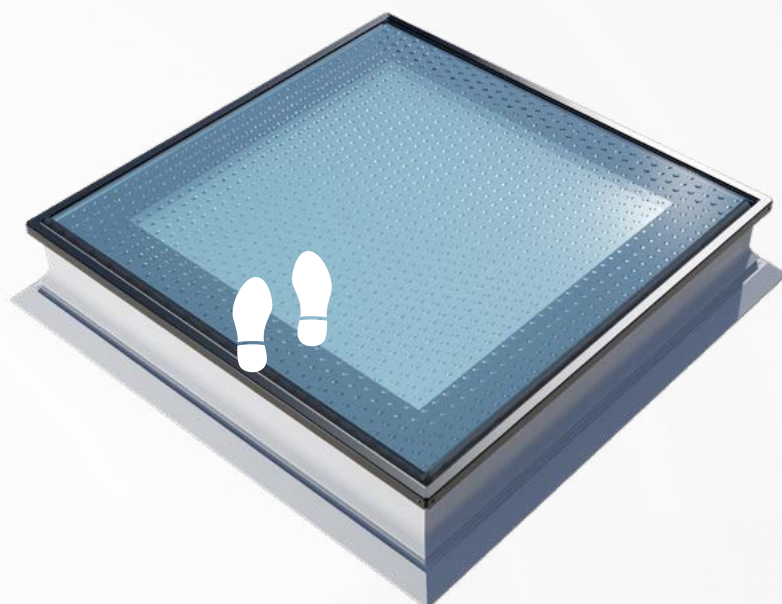
Window so durable  
you can easily  
walk on it





# PGX A5 WALK ON

FLAT ROOF WINDOW  
**NON-OPENING**



## Parameters:

| Glazing unit             | A5                                |
|--------------------------|-----------------------------------|
| glazing unit structure   | 888.4H/16/44.2T (AR)              |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$ |
| glazing unit             | single chamber                    |
| gas                      | argon                             |
| laminated inner pane P2A | ✓                                 |
| external toughened pane  | ×3                                |
| low-emission coat        | ✓                                 |
| warm spacer              | ✓                                 |
| glazing cross section    |                                   |

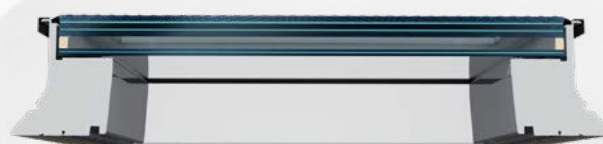


| Profile                         |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintainance free               | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |













**U value of window**  $U_w = 0,99 \text{ W/m}^2\text{K}$

**roof pitch**  $2^\circ\text{-}15^\circ$

window cross section



## Sizes:

|                                  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| size symbol                      | 01P   | 02P   | 12P   | 03P   | 04P   | 05P   | 06P   | 07P  | 08P   | 09P   | 10P   | 11P   |
| window size: width x height [cm] | 60×60   | 90×60   | 120×60  | 70×70   | 80×80   | 90×90   | 120×90  | 100×100  | 150×100   | 120×120   | 140×140   | 220×120   |
| <b>PGX A5</b>                    | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   |   |   |

# Triple glazed opening window

PGX B1 is surely the warmest flat roof window we can offer. Its thermal insulation value equals  $U_w=0,64 \text{ W/m}^2\text{K}$  - it means the window is highly energy saving. It can be used both in highly humid places and in rooms, where installation of the facade windows is nearly impossible such as staircases or wardrobes. Its triple glazing unit ensures thermal insulation on the highest level.



PGX B1, England



The incredibly energy saving and warm window will make you feel safe






# PGX B1

FLAT ROOF WINDOW  
**NON-OPENING**



**Super**  
energy-saving  
triple glazing unit

## Parameters:

| Glazing unit             | B1  |
|--------------------------|---|
| glazing unit structure   | 6H/16/6TH/16/44.2TF (AR)  |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$   |
| glazing unit             | double chamber  |
| gas                      | argon   |
| laminated inner pane P2A | ✓   |
| external toughened pane  | ✓   |
| low-emission coat        | ×2  |
| warm spacer              | ×2  |
| glazing cross section    |  |

## Profile

|                                 |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |













**U value of window**  $U_w = 0,64 \text{ W/m}^2\text{K}$

**roof pitch**  $2^\circ\text{--}15^\circ$

window cross section

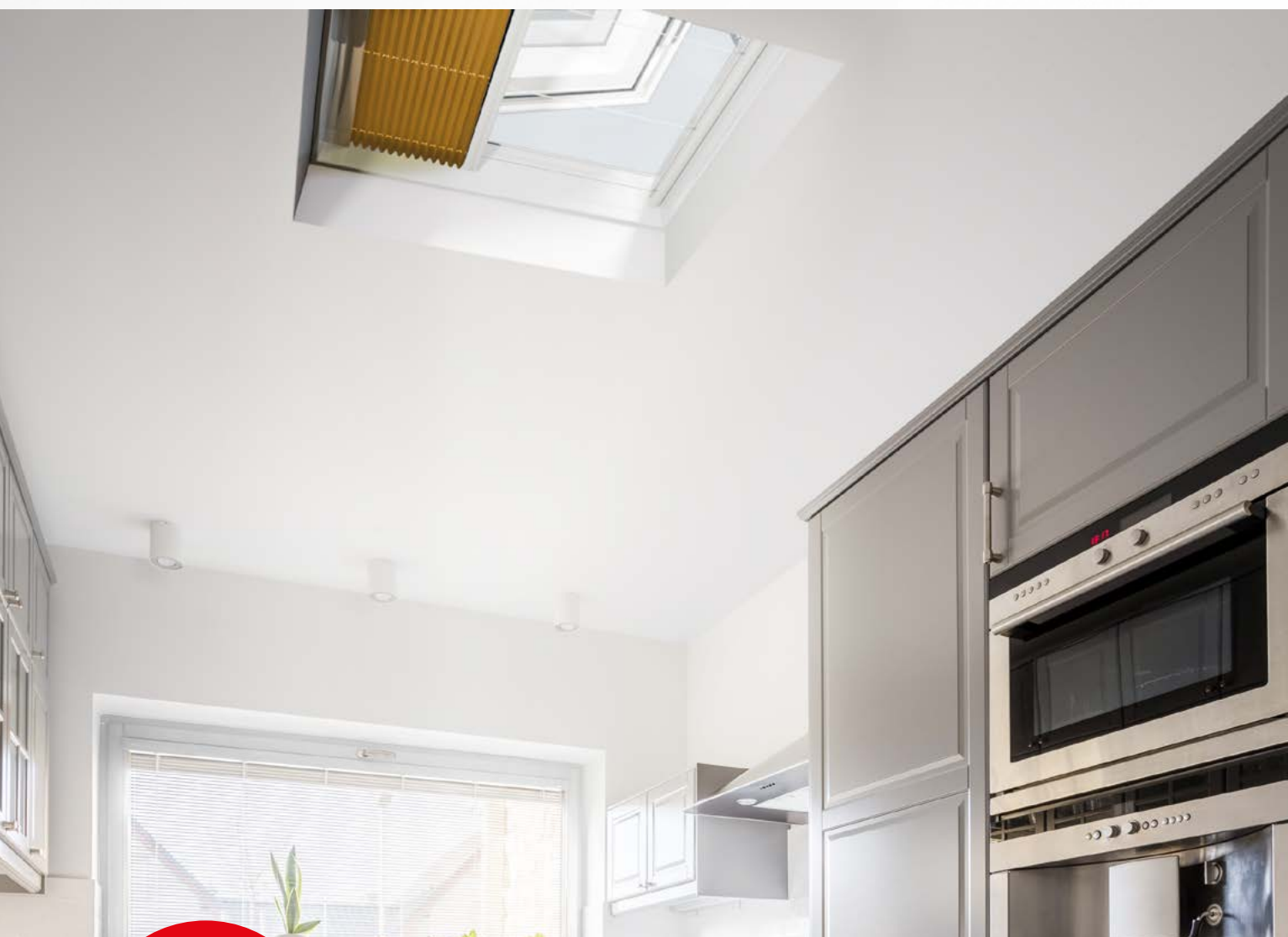


## Sizes:

|                                  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| size symbol                      | 01P   | 02P   | 12P   | 03P   | 04P   | 05P   | 06P   | 07P  | 08P   | 09P   | 10P   | 11P   |
| window size: width x height [cm] | 60×60   | 90×60   | 120×60  | 70×70   | 80×80   | 90×90   | 120×90  | 100×100  | 150×100   | 120×120   | 140×140   | 220×120   |
| <b>PGX B1</b>                    | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   | ✓   |

# Triple glazed opening window

The PGC B1 window is a proposal that, thanks to the joinery made of PVC, filled with polyurethane foam and polystyrene inserts, will perfectly fit into energy-saving houses. Tilttable PGC B1 window sash will allow fresh air to enter the interior. The window is especially recommended for rooms with increased humidity and limited access to fresh air.



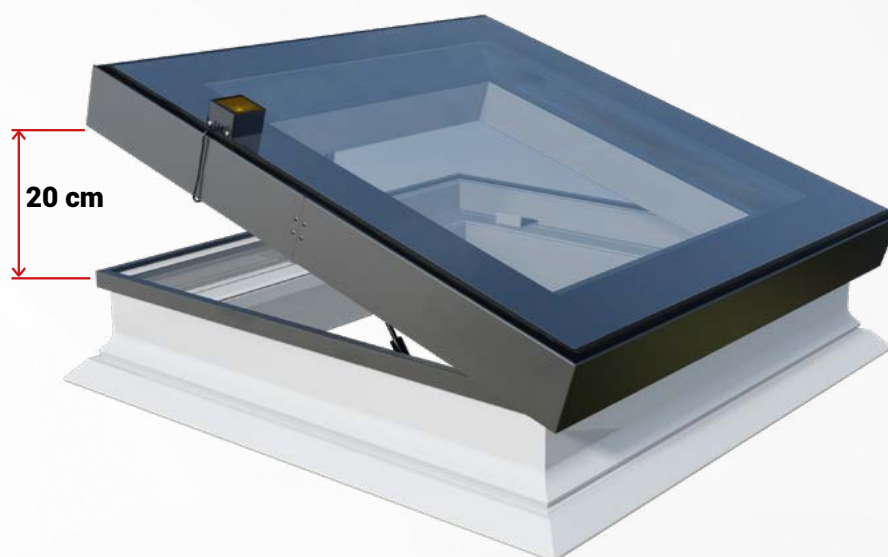
A package full of benefits and a breath of freshness in the set!

**REMOTE CONTROL**  
remote radio control  
(multi-channel)




# PGC B1 electrical opening

FLAT ROOF WINDOW  
**OPENING**



**Super**  
energy-saving  
triple glazing unit

## Parameters:

| Glazing unit             | B1  |
|--------------------------|---|
| glazing unit structure   | 6H/16/6TH/16/44.2TF (AR)  |
| U value of glazing       | $U_g = 1,0 \text{ W/m}^2\text{K}$   |
| glazing unit             | double chamber  |
| gas                      | argon   |
| laminated inner pane P2A | ✓   |
| external toughened pane  | ✓   |
| low-emission coat        | ×2  |
| warm spacer              | ×2  |
| glazing cross section    |  |

## Profile

|                                 |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | ✓ |

**U value of window**  $U_w = 0,92 \text{ W/m}^2\text{K}$

**roof pitch**  $2^\circ\text{--}15^\circ$

window cross section



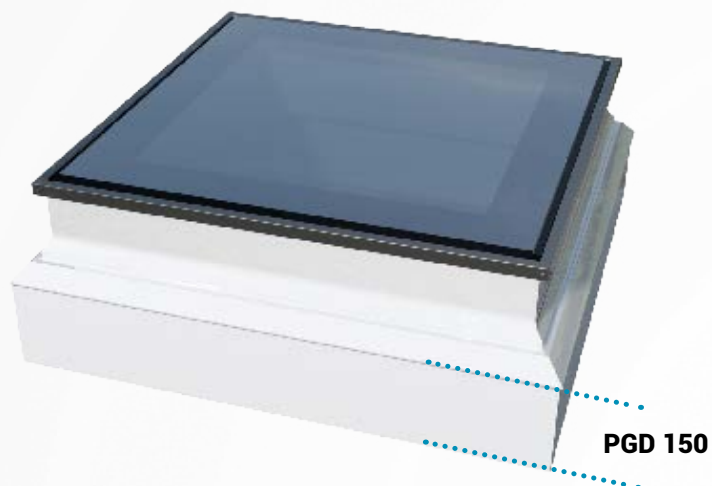
## Sizes:

| size symbol                      | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|----------------------------------|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm] | 60×60 | 90×60 | 120×60 | 70×70 | 80×80 | 90×90 | 120×90 | 100×100 | 150×100 | 120×120 | 140×140 | 220×120 |
| <b>PGC B1</b>                    | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       |         |         |         |         |



# Extention kerb PGD

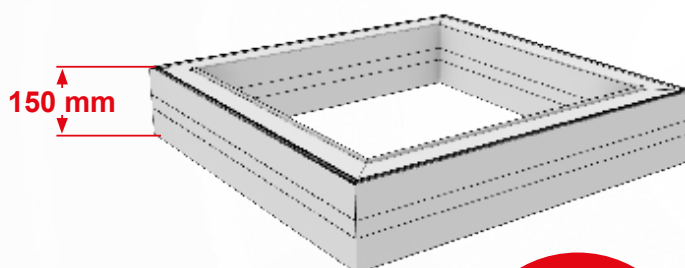
Extension kerb enables window installation on the flat roof. It is used in cases of insulated roofs and green roofs as well as in any other case when window needs to be placed higher than usual



## Parameters:

### Profile

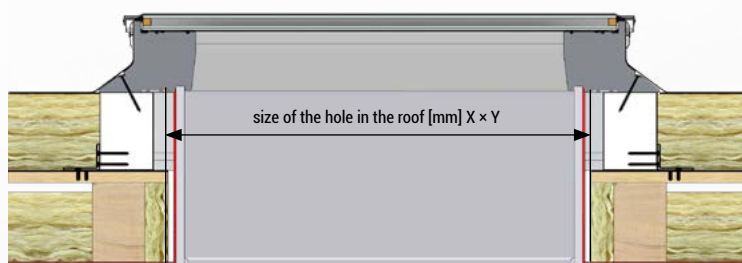
|                                 |        |
|---------------------------------|--------|
| multi-chambered PVC             | ✓      |
| white profile                   | ✓      |
| PU-foam filling                 | ✓      |
| maintainance free               | ✓      |
| weather conditions resistant    | ✓      |
| available in non-standard sizes | ✓      |
| <b>roof pitch</b>               | 0°-15° |



You can use multiple extension kerb. First ask our advisor for more details!

### EXTENTION KERB CROSS-SECTION:

#### PGD



## Sizes:

| size symbol                                    | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|--|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm]               | 60×60 | 90×60 | 120×60 | 70×70 | 80×80 | 90×90 | 120×90 | 100×100 | 150×100 | 120×120 | 140×140 | 220×120 |
| <b>PGD 150</b><br>extention kerb               | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| 15 cm<br>distance from ground<br>to the window |       |       |        |       |       |       |        |         |         |         |         |         |

# Glass module DGP

The DGP A1 glass module is offered as an alternative to plastic roof domes. The glass pane does not tarnish, thanks to the toughened outer pane it is resistant to hail. The module made of PVC is resistant to weather conditions and requires no additional maintenance. Safety at the highest level is ensured by a toughened outer pane and inter-pane laminate (P2A class). Depending on the needs - external cover sheets can be used in the basic version.



## Parameters:

| Glazing unit             | A1                         |
|--------------------------|----------------------------|
| glazing unit structure   | 6H/18/44.2T (AR)           |
| U value of glazing       | U <sub>g</sub> = 1,0 W/m²K |
| glazing unit             | single chamber             |
| gas                      | argon                      |
| laminated inner pane P2A | ✓                          |
| external toughened pane  | ✓                          |
| low-emission coat        | ✓                          |
| warm spacer              | ✓                          |
| glazing cross section    |                            |



| Profile                         |   |
|---------------------------------|---|
| multi-chambered PVC             | ✓ |
| white profile                   | ✓ |
| PU-foam filling                 | ✓ |
| maintenance free                | ✓ |
| weather conditions resistant    | ✓ |
| available in non-standard sizes | - |

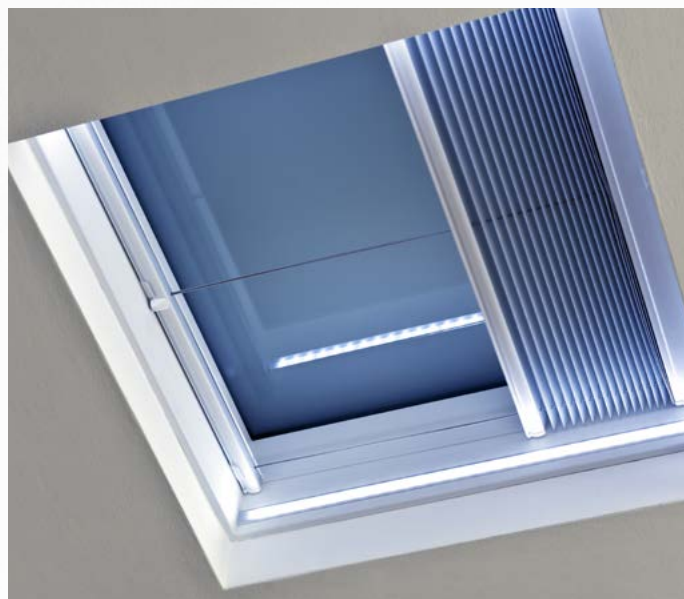
|                      |        |
|----------------------|--------|
| <b>roof pitch</b>    | 2°-15° |
| window cross section |        |



## Sizes:

| size symbol                      | 01P   | 02P   | 05P   | 06P    | 08P     |
|----------------------------------|-------|-------|-------|--------|---------|
| window size: width x height [cm] | 60×60 | 90×60 | 90×90 | 120×90 | 150×100 |
| <b>DGP A1</b><br>glass module    | ✓     | ✓     | ✓     | ✓      | ✓       |

# Pleated blind P50E, P50K



Control method to choose from:

**P50E**

**ELECTRICAL**  
(via remote control)

APR1  
remote  
control



APR6  
remote  
control



**Remote control APR-1 for P50E roller blind**  
blind simultaneous control of all blinds

| Model | Operation                                    |
|-------|--|
| S1    | remote control APR1 + one blind control set  |
| S2    | remote control APR1 + two blinds control set |
| S6    | remote control APR1 + six blinds control set |

**Remote control APR-6 for P50E roller blind**  
individual control of each blind

|     |   |
|-----|---|
| S6i | pilot APR6 + remote control + six blinds control set (individual) |
|-----|---|

**P50K**

**MANUAL**  
(via crank)

Crank ADK






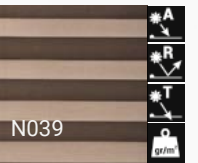



**Crank ADK**  
manual operated

| Model   | Crank length     |
|---------|------------------|
| ADK 75  | crank L = 75 cm  |
| ADK 100 | crank L = 100 cm |
| ADK 125 | crank L = 125 cm |
| ADK 175 | crank L = 175 cm |
| ADK 225 | crank L = 225 cm |



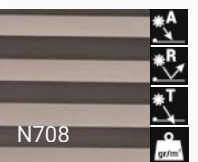

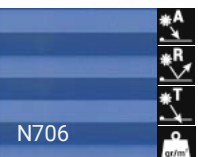
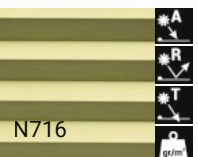



# Available blinds colours

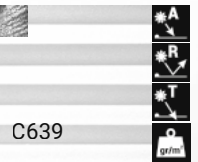
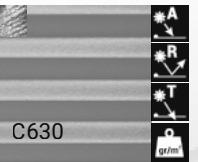
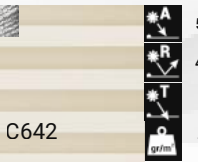
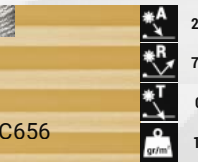
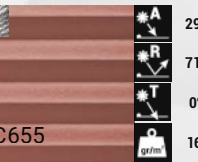
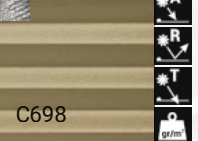


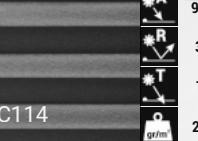
## Transparent T (colours N):

|  |  |   |  |
|--|--|---|--|
|  16%<br>48%<br>36%<br>140 |  11%<br>51%<br>38%<br>140 |  4%<br>65%<br>31%<br>155 |  78%<br>14%<br>8%<br>140 |
|  76%<br>20%<br>4%<br>95   |  59%<br>40%<br>1%<br>94   |  2%<br>61%<br>37%<br>95  |  |

## Blackout Z (colours N):

|  |  |   |  |
|--|--|---|--|
|  15%<br>85%<br>0%<br>260  |  15%<br>85%<br>0%<br>230  |  15%<br>85%<br>0%<br>260 |  12%<br>88%<br>0%<br>260 |
|  17%<br>83%<br>0%<br>205 |  15%<br>85%<br>0%<br>260 |  %<br>85%<br>0%<br>260  |  |

## Blackout cellular ZK (colours C):

|   |   |   |  |   |
|---|---|---|--|---|
|  29%<br>71%<br>0%<br>169 |  33%<br>67%<br>0%<br>166 |  52%<br>42%<br>6%<br>169 |  29%<br>71%<br>0%<br>169 |  29%<br>71%<br>0%<br>169 |
|  28%<br>72%<br>0%<br>192 |  33%<br>67%<br>0%<br>166 |  95%<br>5%<br>0%<br>220  |  96%<br>3%<br>1%<br>206  |   |

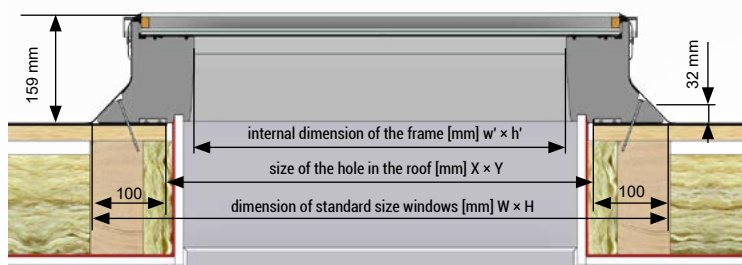
## Roller blind sizes

| size symbol                         |                                  | 01P   | 02P   | 12P    | 03P   | 04P   | 05P   | 06P    | 07P     | 08P     | 09P     | 10P     | 11P     |
|-------------------------------------|----------------------------------|-------|-------|--------|-------|-------|-------|--------|---------|---------|---------|---------|---------|
| window size: width x height [cm]    |                                  | 60x60 | 90x60 | 120x60 | 70x70 | 80x80 | 90x90 | 120x90 | 100x100 | 150x100 | 120x120 | 140x140 | 220x120 |
| P50K T<br>transparent fabric        | manual operation with a crank    | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| P50K Z<br>blackout fabric           | manual operation with a crank    | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| P50K ZK<br>blackout fabric cellular | manual operation with a crank    | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| P50E T<br>transparent fabric        | control using the remote control | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| P50E Z<br>blackout fabric           | control using the remote control | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |
| P50E ZK<br>blackout fabric cellular | control using the remote control | ✓     | ✓     | ✓      | ✓     | ✓     | ✓     | ✓      | ✓       | ✓       | ✓       | ✓       | ✓       |

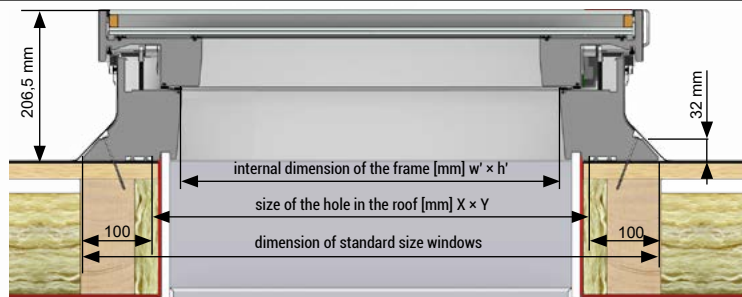
Attention! Cost of the roller shutter does not include price of selected control (page 24). Offer does not apply to the PGM window.

# Flat roof windows cross-section

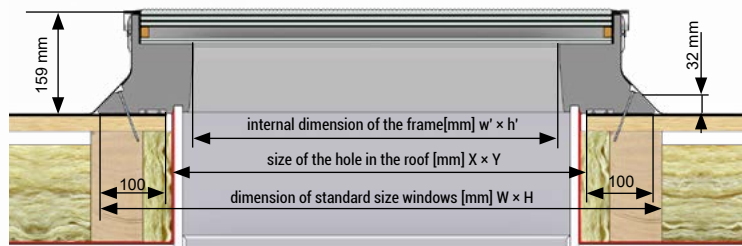
**THE CROSS-SECTION**  
**PGX A1**  
**PGX A1 LED**  
**PGX A4**



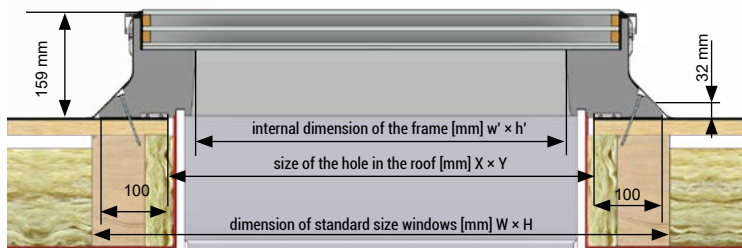
**THE CROSS-SECTION**  
**PGC A1**  
**PGM A1**



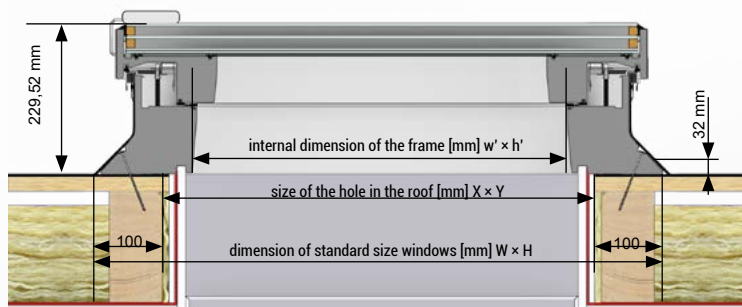
**THE CROSS-SECTION**  
**PGX A5**



**THE CROSS-SECTION**  
**PGX B1**



**THE CROSS-SECTION**  
**PGC B1**



## Size of the required roof hole

| size symbol                      |              | 01P     | 02P      | 12P      | 03P     | 04P     | 05P       | 06P       | 07P       | 08P       | 09P       | 10P       | 11P       |
|----------------------------------|--------------|---------|----------|----------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| window size: width x height [cm] |              | 60×60   | 90×60    | 120×60   | 70×70   | 80×80   | 90×90     | 120×90    | 100×100   | 150×100   | 120×120   | 140×140   | 220×120   |
| size of the hole in the roof     | X × Y [mm]   | 600×600 | 900×600  | 1200×600 | 700×700 | 800×800 | 900×900   | 1200×900  | 1000×1000 | 1500×1000 | 1200×1200 | 1400×1400 | 2200×1200 |
| internal dimension of the frame  | w' × h' [mm] | 519×519 | 819×519  | 1119×519 | 619×619 | 719×719 | 819×819   | 1199×819  | 919×919   | 1419×919  | 1119×1119 | 1319×1319 | 2119×1119 |
| size of the window               | W × H [mm]   | 799×799 | 1099×799 | 1399×799 | 899×899 | 999×999 | 1099×1099 | 1399×1099 | 1199×1199 | 1699×1199 | 1399×1399 | 1599×1599 | 2399×1399 |



**If you have any questions  
or concerns, please feel free  
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or Service Support**



[service@okpol.com](mailto:service@okpol.com)



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OKPOL Sp. z o.o.  
ul. Topolowa 24  
49-318 Skarbimierz-Osiedle  
POLAND

customer service office:  
tel. +48 77 404 66 77  
fax +48 77 411 57 34  
export@okpol.com

service support:  
tel. +48 606 971 835  
service@okpol.com

[www.okpol.com](http://www.okpol.com)



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sklep.okpol.pl