



PRODUCT CATALOGUE

FLAT ROOF WINDOWS
OCTOBER 2018



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For over 27 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.





**Open new
perspectives with us**



Quality – our priority

Flat roofs are a great trend in modern construction. Windows for flat roofs fit the trend with design and functionality. Their main task is to give your room as much light as possible.



What are the flat roof windows made of?

OKPOL flat roof windows are highly insulated, easy to use and maintenance free. What is more, they are incredibly resistant to adverse weather conditions. The PVC material that is used in production makes those windows amazingly practical - there is no maintenance needed. Thanks to the additional PU-foam filling they provide comfort and warmth to your attic.

Flat roof window types

We offer you electrically opening, fixed, factory fitted LEDs flat rooflight and WALK-ON windows. Our SpherLine is a world first spherical roof light and is proving to be a real winner.

What are the flat roof windows sizes?

We offer 12 standard sizes of our flat roof windows, but we can also adjust the shape and size to suit your own preferences - we also offer a made to measure service to suit your requirements.

Icons defining window features:



Noise reduction on 35dB level



Remotely controlled



Weather conditions resistant



Easy installation



WALK-ON window



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



Fresh air circulation



Maintenance free



Convex glass, eases the water outflow



Warranty conditions set out in the warranty card available at www.okpol.com



Why should you **install windows on 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
- ✓ they wake you up with an energetic sunlight in the bedrooms
- ✓ make you feel good thanks to so much sunlight entering your house



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!





Window with spherical glass

PGX B6 Spherline is equipped with a spherical glass. Thanks to the dome, which forms the glass, more light comes through the window, and indoors is much more lightened than in the case of typical flat roof windows. The special rounding also facilitates the drainage of water, snow and dirt from the surface of the glass. It is the world's first flat roof window with integrated spherical glass. The vast majority of market proposals offers only domes made of acrylic or polycarbonate. Spherline on the roof and inside the room looks amazing!

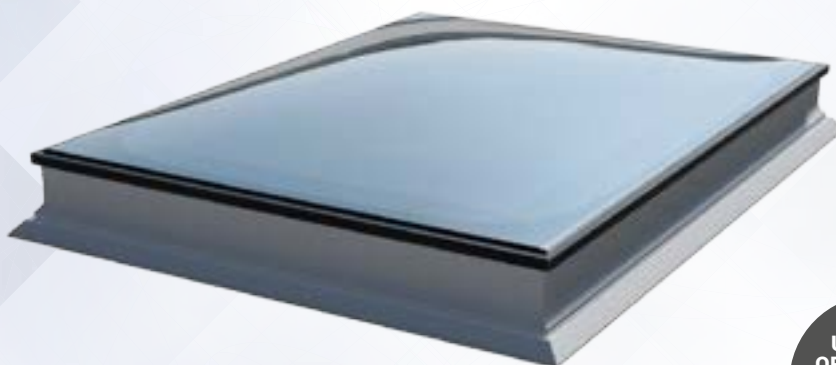


For those who need better lighting!





PGX B6 SPHERLINE



U-VALUE OF WINDOW
U_{rc} = 1,1
W/m²K

PARAMETERS

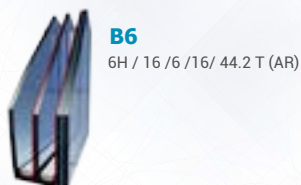
Glazing type

U-value of glazing	U_g = 1,0 W/m²K
glazing unit	triple glazed
gas	argon
laminated inner pane	✓
rounded external toughened pane	✓
low-emission coat	✓
warm spacer	x2

Profile

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	0-15°

GLAZING CROSS-SECTION



PROFILE CROSS-SECTION:



AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX B6	✓	✓					X	✓				

✓ - sizes available soon!



The universal window

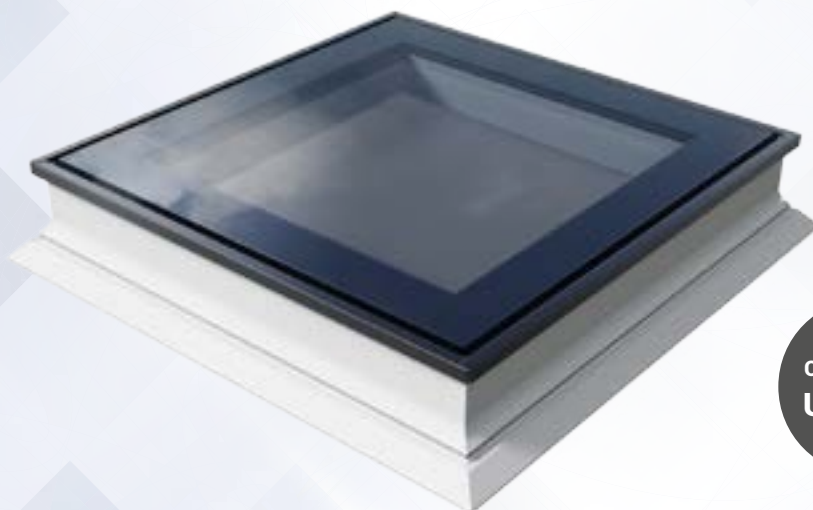
PGX A1 is an incredibly fashionable solution for both new homes with flat roofs and existing properties considering an extension. Thanks to the frame made from PVC, this window is incredibly resistant to any weather conditions and does not need any additional maintenance. It is ideal for rooms with a 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



U-VALUE
OF WINDOW
U_{rc} = 1,1
W/m²K

PARAMETERS

Glazing type

U-value of glazing	U_g = 1,0 W/m²K
glazing unit	double glazed
gas	argon
laminated inner pane	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



A1
6H / 16 / 44.2 T (AR)

PROFILE CROSS-SECTION:



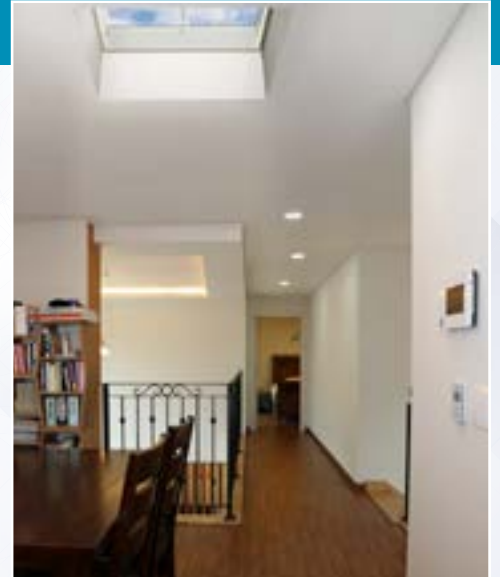
AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX A1	X	X	X	X	X	X	X	X	X	X	X	X



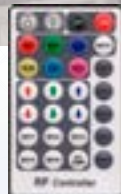
Window with LED light

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. LEDs 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.

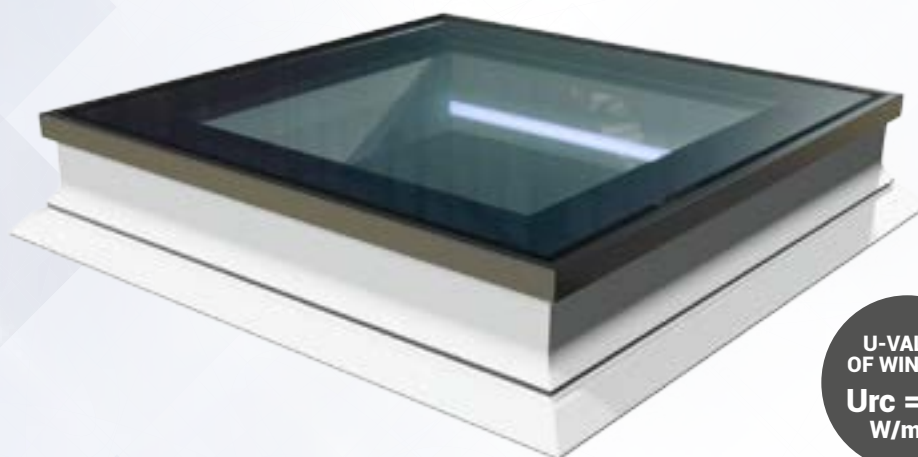


Enjoy the sunlight and when it gets dark, just turn on the subtle LED light.

AP3 REMOTE CONTROL



PGX A1 LED



**U-VALUE
OF WINDOW**
**U_{rc} = 1,1
W/m²K**

PARAMETERS

Glazing type

U-value of glazing	U_g = 1,0 W/m²K
glazing unit	double glazed
gas	argon
laminated inner pane	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



A1
6H / 16 / 44.2 T (AR)

PROFILE CROSS-SECTION:



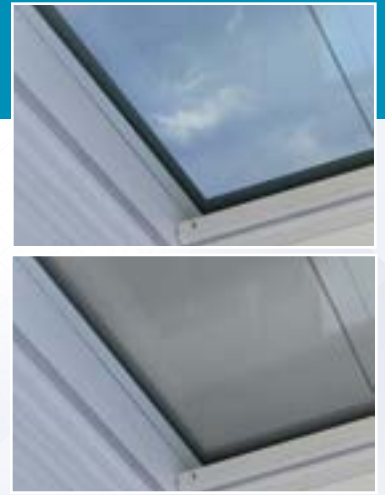
AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX A1 LED	X	X	X	X	X	X	X	X	X	X	X	X



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.



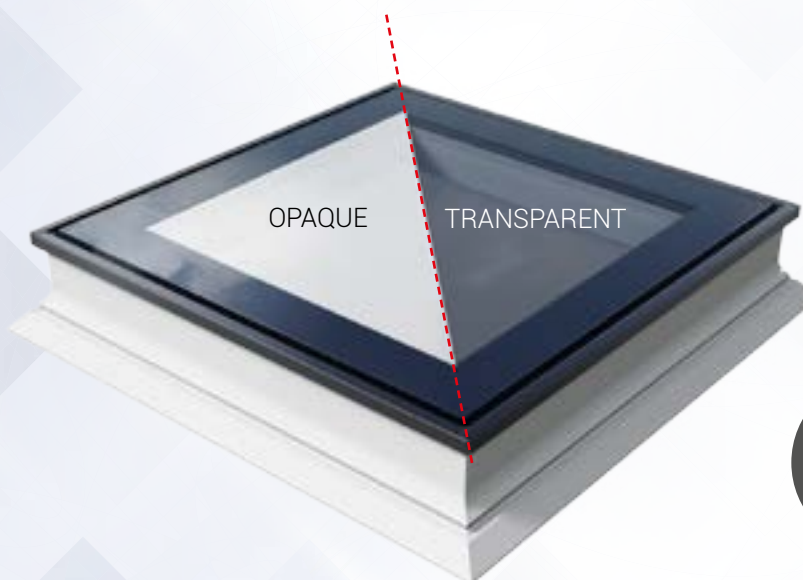
One touch of a button and the glass transforms from transparent into opaque (matte).

AP5 REMOTE CONTROL

ASP1 CONTROL UNIT used as a button



PGX A4 WITH SWITCHABLE GLASS



**U-VALUE
OF WINDOW**
**U_{rc} = 1,1
W/m²K**

PARAMETERS

Glazing type

U-value of glazing	U_g = 1,0 W/m²K
glazing unit	double glazed
gas	argon
laminated inner pane	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



A4
6TH / 16 / 44.2 (AR) TVG TVG

PROFILE CROSS-SECTION:



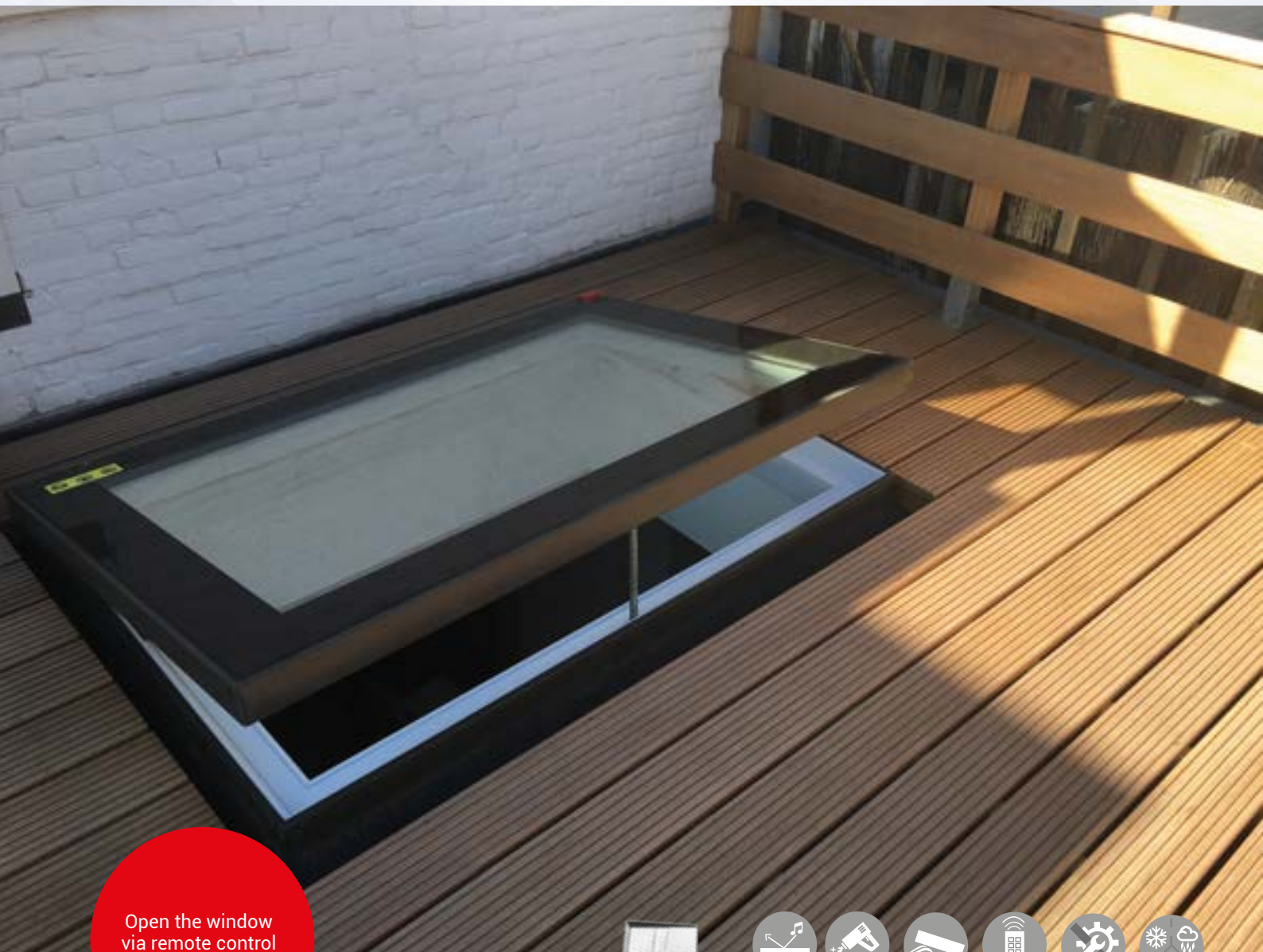
AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX A4	X	X	X	X	X	X	X	X	X	X	X	X



Openable window

PGC A1 window with a opening sash, opening up to 24 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.

AP4 REMOTE CONTROL
remote radio control (4 channels)



PGC A1 ELECTRICAL OPENING



PARAMETERS

Glazing type

U-value of glazing	Ug = 1,0 W/m²K
glazing unit	double glazed
gas	argon
laminated inner pane	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



A1
6H / 16 / 44.2 T (AR)

PROFILE CROSS-SECTION:



AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGC A1	X	X	X	X	X	X	X	X	X	X		



The window you can walk on

PGX A5 is the most durable window in our offer.

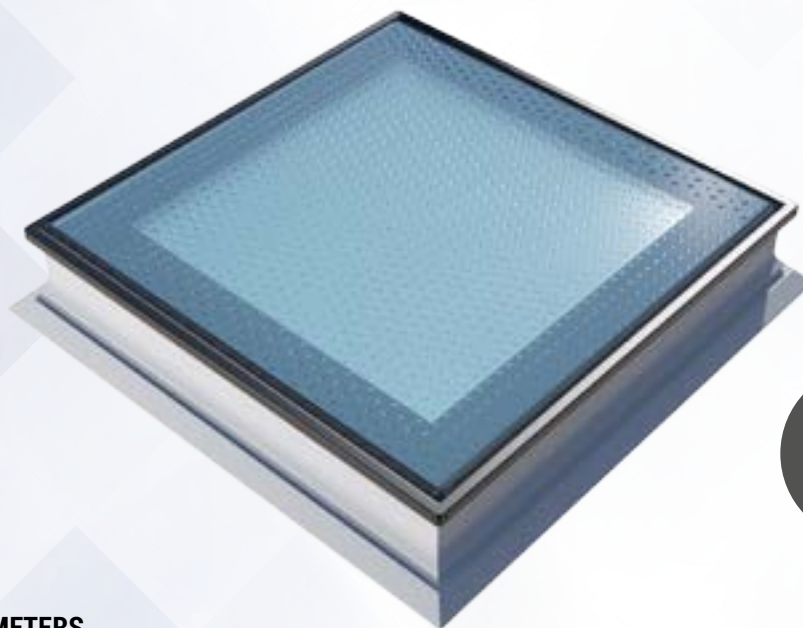
The special glazing unit is incredibly load-bearing and load-resistant. Such construction makes walking on a window possible. To ensure your safety we use a cameo dot non slip coating. PGX A5 will function perfectly as unction perfectly to lighten your room and maximise the functional space on your roof 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



**U-VALUE
OF WINDOW**
**U_{rc} = 1,1
W/m²K**

PARAMETERS

Glazing type

U-value of glazing	U_g = 1,0 W/m²K
glazing unit	double glazed
gas	argon
laminated inner pane	✓
toughened pane	x 3
low-emission coat	✓
warm spacer	✓

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



A5
888.4H / 16 / 44.2T (AR)

PROFILE CROSS-SECTION:



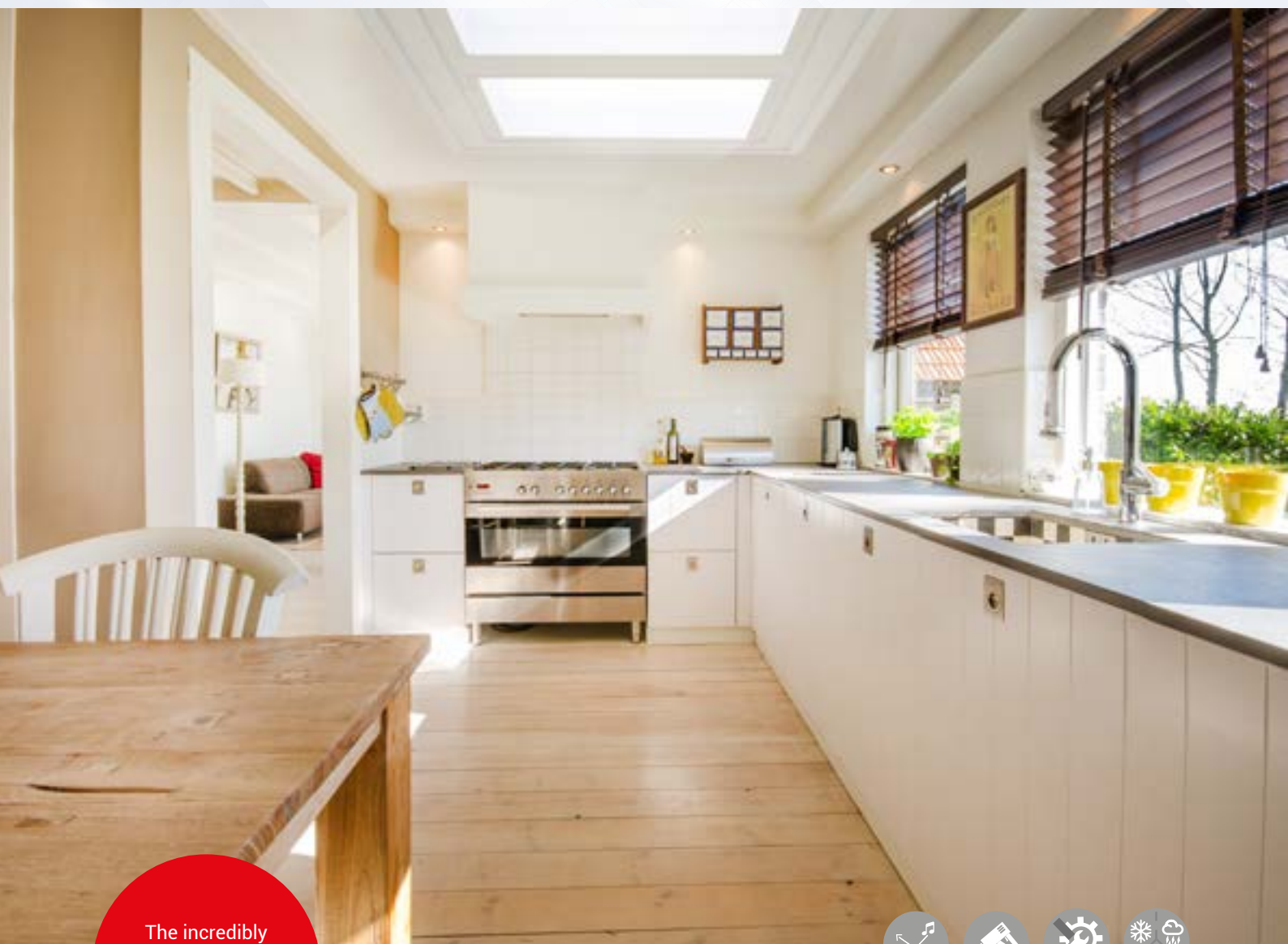
AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX A5	X	X	X	X	X	X	X	X	X	X		



Triple-glazed window

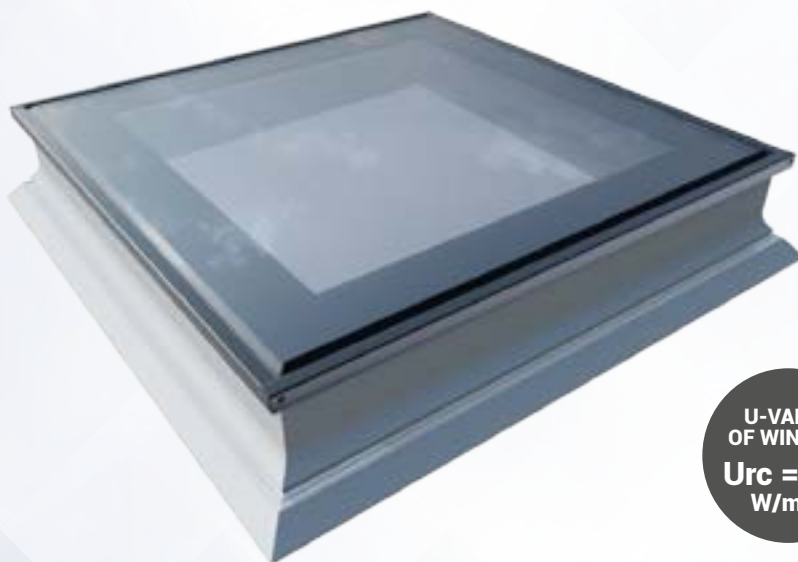
PGX B1 is surely the warmest flat roof window we can offer. Its thermal insulation value equals $U_{rc}=0,7 \text{ W/m}^2\text{K}$ - it means the window is highly energy saving. It can be used both in highly humid places and in rooms, where installation of the facade windows is nearly impossible such as staircases or wardrobes. Its triple glazing unit ensures thermal insulation on the highest level.



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



PGX B1 TRIPLE-GLAZED



U-VALUE
OF WINDOW
U_{rc} = 0,7
W/m²K

PARAMETERS

Glazing type

U-value of glazing	U_g = 0,5 W/m²K
glazing unit	triple glazed
gas	argon
laminated inner pane	✓
external toughened pane	✓
low-emission coat	x 2
warm spacer	x 2

Profile:

multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	2-15°

GLAZING CROSS-SECTION



B1
6H / 16 / 6TH / 16 / 44.2 TF (AR)

PROFILE CROSS-SECTION:



AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGX B1	X	X	X	X	X	X	X	X	X	X	X	X




Pleated blind




Control method to choose from:

P50E **ELECTRICAL**
(via remote control)

APR1 remote control



APR6 remote control

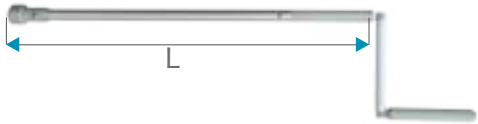


APR1 REMOTE CONTROL for P50E blind simultaneous control of all blinds	
Model	Operation
S1	APR1 remote control + one blind control set
S2	APR1 remote control + two blinds control set
S3	APR1 remote control + six blinds control set
APR6 REMOTE CONTROL for P50E blind individual control of each blind	
S6i	APR6 remote control + six blinds control set (individual)

somfy
In blinds we used Somfy electric control

P50K **MANUAL**
(via crank)

ADK crank



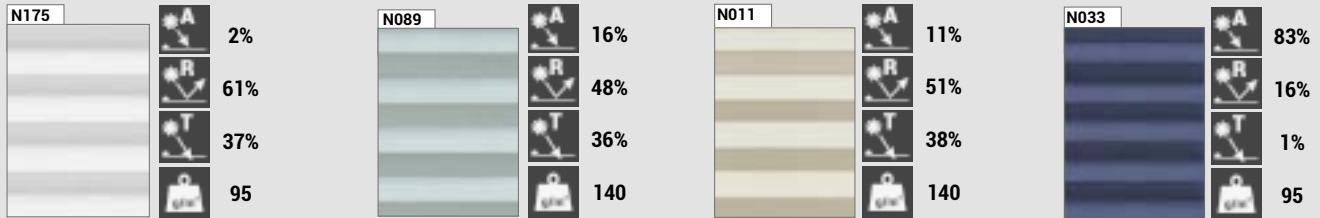
Model	Crank length
ADK 75	crank L=75cm
ADK 100	crank L=100cm
ADK 125	crank L=125cm
ADK 175	crank L=175cm
ADK 225	crank L=225cm

AVAILABLE BLINDS COLOURS

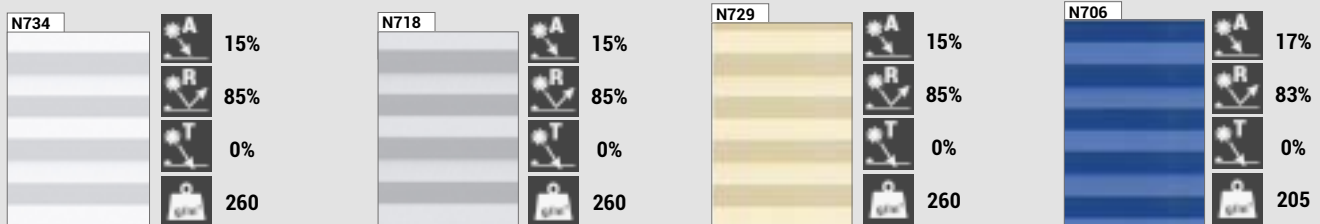


Slight differences in fabric colours are possible. The colour choice shall be made on the basis of the OKPOL colour palette.

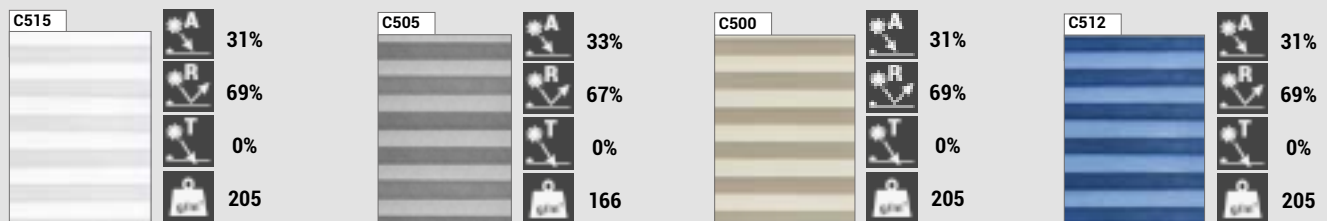
T - TRANSPARENT



Z - BLACKOUT



K - BLACKOUT CELLULAR



ICON/PHRASES EXPLANATION:



Absorption - percentage of the light **absorbed** by the fabric



Transmission - percentage of the light **going through** the fabric



Reflection - percentage of the light **reflected** by the fabric



Weight of fabric

AVAILABLE SIZES

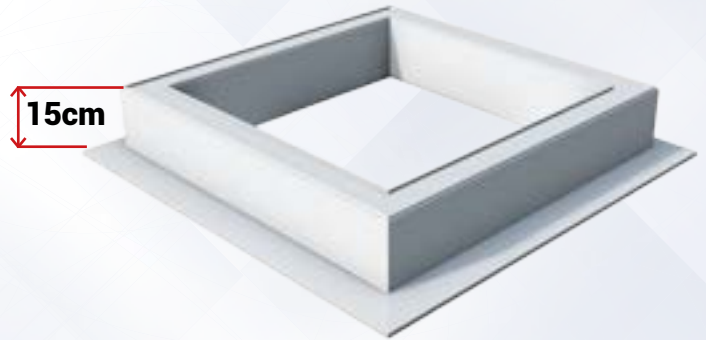
size symbol		01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]		60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
P50KT	manual operation using a crank (transparent fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x
P50KZ	manual operation using a crank (blackout fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x
P50KZK	manual operation using a crank (blackout cellular fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x
P50ET	remotely controlled (transparent fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x
P50EZ	remotely controlled (blackout fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x
P50EZK	remotely controlled (blackout cellular fabric)	x	x	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x	x	x

Extension 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.

Profile:

multi-chambered PVC	✓
white profile	✓
maintainance free	✓
weather conditions resistant	✓
available in non-standard sizes	✓
roof pitch	0-15°



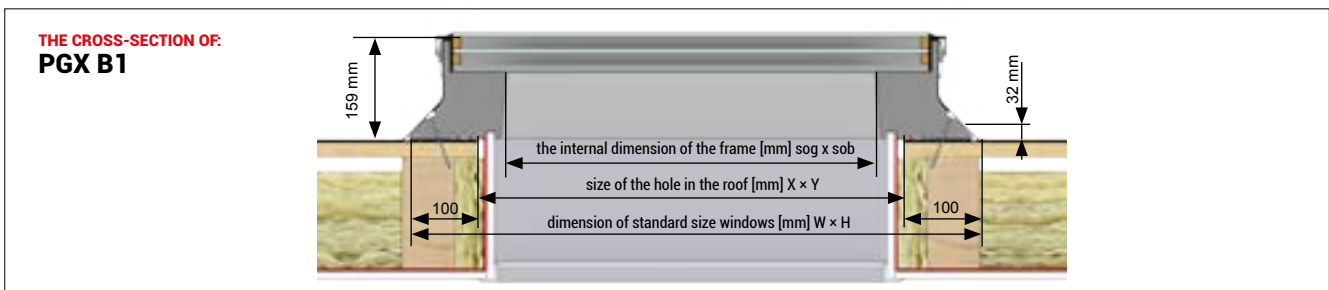
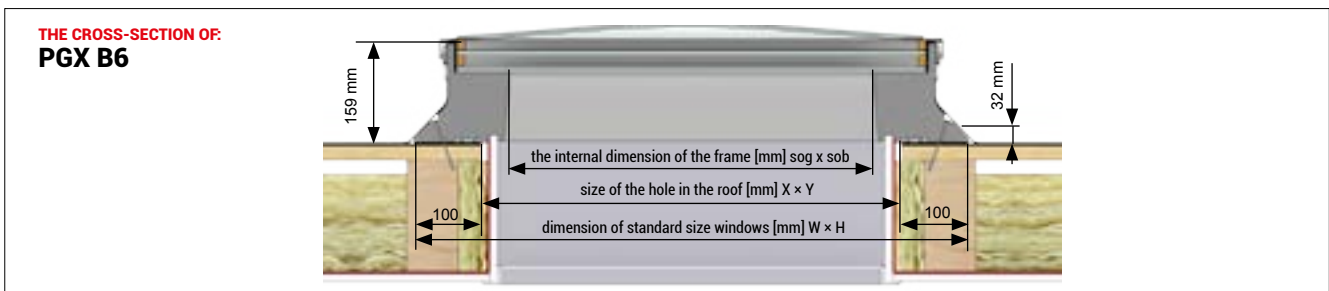
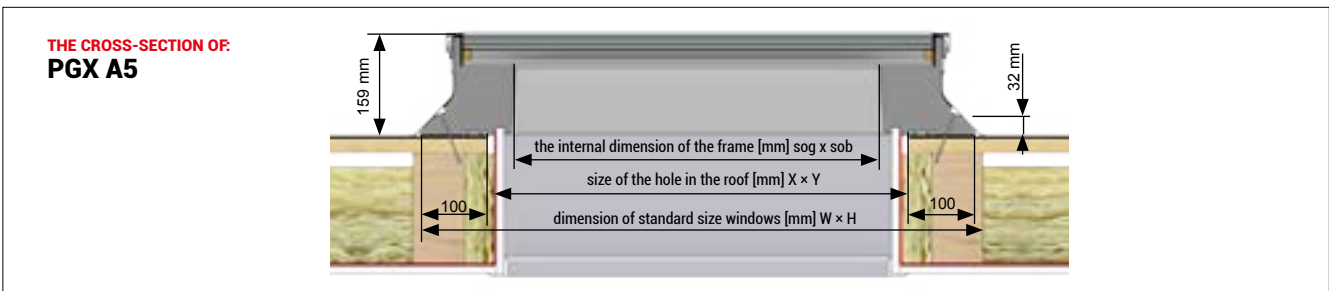
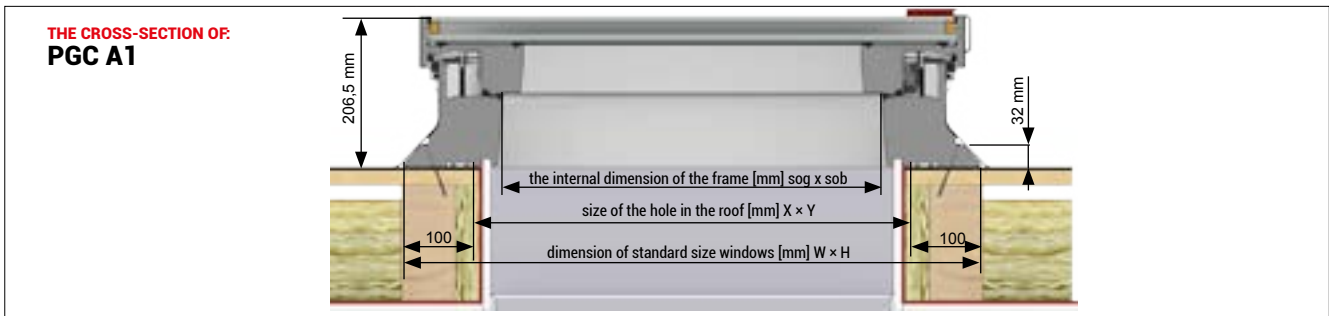
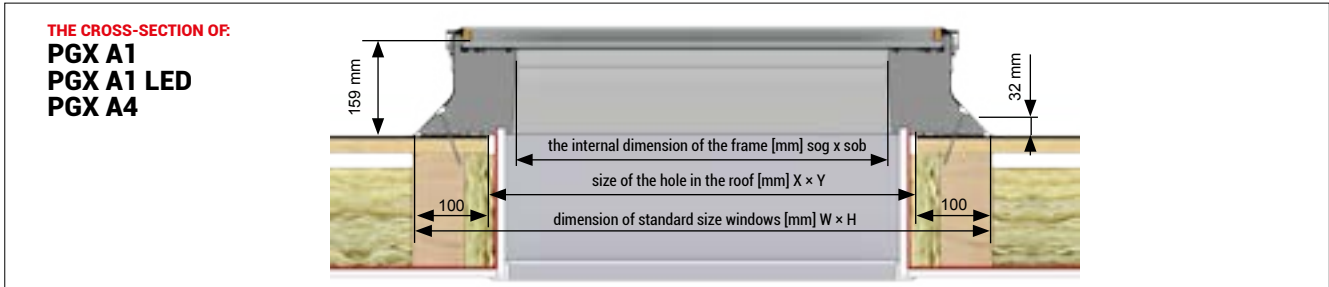
You can use multiple extension kerb. First ask our advisor for more details!



AVAILABLE SIZES

size symbol	01P	02P	12P	03P	04P	05P	06P	07P	08P	09P	10P	11P
window size: width x height [cm]	60x60	60x90	60x120	70x70	80x80	90x90	90x120	100x100	100x150	120x120	140x140	120x220
PGD	X	X	X	X	X	X	X	X	X	X	X	X

WINDOW CROSS-SECTION



SIZE OF THE REQUIRED ROOF HOLE

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

**CHECK ALSO OUR OFFER OF ROOF WINDOWS AND SKYLIGHTS
IN PRODUCT CATALOGUE:**



IGOV N22
Uw = 0,83 W/m²K



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