



Roof windows and skylights

The product catalog is valid from 01/04/2021





Contents:

Prologue

We focus on the highest quality	4
How to choose a roof window?	5
Good to know.....	6
Glazing units	7

Assortment table	8-9
------------------------	-----

>> RESET product line	10-11
Skylight - WVR V8 RESET	12-13
Skylight - WVR V6 RESET	12-13
Window - IGX F1 RESET	14-15

ROOF WINDOWS

>> 3-glazed wooden windows:	16-17
centre-pivot	18-19
top- hung	20-21
electric	22-23
L-shaped	24-25

>> 3-glazed PVC windows:	26-27
centre-pivot	28-29
top- hung	30-31
electric	32-33
L-shaped	34-35

>> 2-glazed roof windows	36-37
--------------------------------	-------

SKYLIGHTS

>> 3-glazed skylights:	38-39
wooden	40-41
PVC	42-43

>> 2-glazed skylights	44-47
-----------------------------	-------

Custom-made windows	48-49
---------------------------	-------

Sealing flashings	50-51
-------------------------	-------

KOMBI flashings	52-53
-----------------------	-------

Installation / insulation accessories	54
---	----

Installation tips	55
-------------------------	----

Flat roof windows	56
-------------------------	----

Facade windows	57
----------------------	----

Internal accessories	58-59
----------------------------	-------

External accessories	60-61
----------------------------	-------

Price list	62-63
------------------	-------

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



1991- 2021

OKPOL was established in 1991. At the beginning, it was a small business created as a result of a combination of dreams, stubbornness and an incredibly good plan of action by two people - the young married couple Dorota and Jan Weleszczuk - today Vice President and President of OKPOL Sp. z o. o.

When building the house, they wanted to put the light into the attic through the roof windows. Due to the lack of goods on the market, they decided to construct these themselves. The windows produced by Mr. Jan met with great approval of the local residents.

And that's how it started ...

Today OKPOL is an expansively developing company with only Polish capital. OKPOL products are exported to dozens of countries around the world.

Over 30 years we have been taking care of the high quality of our products. We believe that quality affects on your life's comfort and satisfaction. We are a family company that hasn't lost its enthusiasm for constant development ever since it's been set up.

We are aware of your priority - your family's safety and that is the thing we want to focus on. We constantly invest in the best equipment and improvement of our machinery parks with a view to provide safe, comfortable and long-lasting products for your house.

We would like to thank our friends and clients and contractors for the trust they have placed in us for 30 years.



We focus on the highest quality



Fashionable color

Flashing made of aluminum sheet covered with polyester in RAL 7022 color. It creates an extremely aesthetic and durable cover that looks great and protects the window for many years.



Safe opening

The ergonomic handle is located at the bottom of the sash. The key will prevent children from opening the window. Handle also enables micro-ventilation - to let fresh air into the room.



Cleaner windows and less washing

Glass with self-cleaning SGG BIOCLEAR coating used in selected triple-glazed packages. The self-cleaning function prevents excessive accumulation of dirt on the outer pane of the window. It also ensures transparency and easy cleaning.



Clear view

Triple glazing allows to effectively reduce the condensation of water vapor on the outer pane of the window.

In practice, this means no fogging of the windows and no condensation - it ensures a healthy room and good visibility through the window.



Energy-saving

Windows are produced in the modern SuperThermo technology with better thermal parameters for the entire window. No additional thermal blocks are required. This solution will let you enjoy warm and cozy attic.



Fresh air supply

Ventilation of living quarters is essential, especially during the heating season. All our windows are equipped with a modern NEO VENT air inlet as standard, which ensures air supply for comfort and the safety of household members.



Tight windows as standard

Our windows have as many as 4 seals, including the highest class Q-LON gasket. It has very good re-expansion properties (returns to its original shape after deformation), ensures excellent functioning in high and low temperatures.



Guarantee of quality

We are sure of the quality we offer. Therefore, windows and glasses are supported by a 10 year guarantee.

Guarantee conditions are available at www.okpol.com

10 year
GUARANTEE
FOR WINDOWS

10 year
GUARANTEE
FOR GLASS

∞
GUARANTEE
FOR TOUGHENED
PANE

Guarantee conditions are available at www.okpol.com

How to choose a roof window?

» Select **type** of the window

If you are considering buying a roof window, remember to choose a window depending on the type of room in which it will be located. You can install wooden windows in the bedroom, living room or hall. In the case of rooms with increased humidity, you should consider purchasing moisture-resistant windows, made of PVC. You should also pay attention to the U value, (the smaller the better), especially in energy-efficient houses. On a special request, you can adjust the windows to your needs (see page 48) and choose accessories that will make the attic more pleasant, darkening it if necessary and protecting it from heat (pages 58-61).



» Select **number** of windows

Selection of an appropriate window size to the room size affects the correct natural illumination of the interior light, and thus - for better well-being and a higher quality of life. The size of the suggested glazing in the room is expressed by measuring the ratio of the glazing size to the floor area. In a place where people reside, should be 1: 8, 1:12 and in other rooms. This means that the greater the interior, the greater should be the number of windows. Calculate the suggested glazing area using a simple formula (see right).

$$\frac{Xm^2}{8} = \text{suggested glazing surface in } m^2 \quad X - \text{size of your room (floor) in } m^2$$

For example: for a room of 10 m², the calculation is as follows:

$$\frac{10m^2}{8} = 1,25 m^2$$

The glazing area needed to maintain good lighting and a high sense of comfort in this case is 1.25 m². To get the right amount of glazing, choose the right number of windows. Information on the glazing size of specific models can be found in the dimensions and prices tables on each page of the catalog.

» Selection of the **window height** according to the roof pitch

You should also pay attention to the angle of the roof pitch. The lower the angle, the higher the window should be.



Good to know...



» U value of roof windows

Uw - the thermal transmittance coefficient of the windows for reference sizes 1,23 ($\pm 25\%$)m x 1,48 (-25%)m, according to norm EN ISO 10077-1 / EN ISO 10077-2.

» The effects of natural light on the human body

The influence of natural sunlight on the human body is invaluable. We need the sun's rays for life, just like air and water. Physiologically, a person is active during the day, and his body at night "senses" the darkness, it tries to rest and sleep.

During autumn, winter and cloudy days, we are much less active than during long, sunny summer days. The lack of natural light negatively affects our well-being, it captures a significant part of energy, makes us apathetic, lethargic, and inefficient at home and at work.

When the circadian cycle is disturbed and the body is not exposed to light, the production of melatonin - a hormone that regulates circadian rhythms - is inhibited. Its lack causes sleep disorders, fatigue, increases stress, and even causes depression.

The sun's rays acting directly on the skin also have a huge impact on the biosynthesis of vitamin D, which has a beneficial effect on the proper functioning of defense and immune mechanisms in the human body. The use of a large amounts of glazing in the interior will definitely improve the quality of life of the household members.



Glazing units








Suitable glazing unit can be selected for each window model.

The units in our leading offer include three glass panes, 2 warm inter-pane frames and 2 low-emission coatings as standard. In each glazing unit, the outer pane is toughened. Selected models are equipped with a glass with a self-cleaning coating or a P2A laminated glass (also called safety glass/anti-intrusion glass).

GLAZING UNIT STRUCTURE	2-GLAZED UNIT 24 mm	3-GLAZED UNIT 36 mm						3-GLAZED UNIT 48 mm			4-GLAZED UNIT 56 mm
	4H/16/4T	4TH/12/4/12/4T	4BH/12/4TH/12/4T	4BH/12/4TH/12/4T	4TH/12/4/12/4T	4H/12/4TH/10/33.2T		4TH/18/4/18/4T	4TH/18/4/16/33.2T	4BH/18/4TH/18/4T	6H/18/4TH/20/44.2T
GLAZING UNIT SYMBOL	E2	I2	I4	I7	I22	I25		N22	N23	N24	F1
U VALUE OF GLAZING UG (W/M2K)	1,0	0,5	0,5	0,7	0,7	0,7		0,5	0,5	0,5	0,5
GAS	Argon	Crypton	Crypton	Argon	Argon	Argon		Argon	Argon	Argon	Argon
WARM SPACER	1	2	2	2	2	2		2	2	2	2
LOW EMISSION COAT	1	2	2	2	2	2		2	2	2	2
TOUGHENED PANE	1	2	2	2	1	2		1	1	2	2
SELF-CLEANING COATING	-	-	✓	✓	-	-		-	-	✓	-
LAMINATED INNER PANE	-	-	-	-	-	P2A class		-	P2A class	-	P2A class














Roof windows

	4-glazed PVC with EPDM	3-glazed windows WOOD					
							
MODEL/SYMBOL	FIX	centre-pivot	centre-pivot	centre-pivot	centre-pivot	top-hung	electric
	IGX F1 RESET*	ISOV I2	ISOV I22	ISOV I7	ISOV I25	ISKV I4	ISC1 I22 ISC2 I22
PROFILE							
U-VALUE U _w (W/m²K)	0,79	0,91	1,06	1,06	1,06	0,91	1,06
SOLID+ CARPENTRY	✓	✓	✓	✓	✓	✓	✓
NEO VENT VENTILATION	-	✓	✓	✓	✓	✓	-
TRIPLE PAINTING ON CARPENTRY	-	✓	✓	✓	✓	✓	✓
GLAZING TYPE	F1	I2	I22	I7	I25	I4	I22
NUMBER OF GASKETS	-	4	4	4	4	4	4
ROOF PITCH	5-90°	15-90°	15-90°	15-90°	15-90°	15-65°	15-90°
CATALOGUE PAGE	15	19	19	19	19	21	23

Catalogue icons with

	energy-saving window		roof skylight		safety exit		electrical opening
	PVC profile		ExtraSecure		free approach		comfortable remote control
	wooden / pine profile		airlet NEO VENT		safe and comfortable access to the roof		L-shaped window

3-glazed windows PVC						3-glazed windows WOOD PVC				
										
centre-pivot centre-pivot centre-pivot top-hung electric						centre-pivot top-hung centre-pivot top-hung				
MODEL/SYMBOL	IGOV N22	IGOV N23	IGOV N24	IGKV N22	IGC1V I22 IGC2V I22	ISOV E2	ISKV E2	IGOV E2	IGKV E2	
PROFILE										
U-VALUE U _w (W/m ² K)	0,83	0,83	0,83	0,83	1,0	1,2	1,3	1,2	1,2	
SOLID+ CARPENTRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	
NEO VENT VENTILATION	✓	✓	✓	✓	✓	✓	✓	✓	✓	
TRIPLE PAINTING ON CARPENTRY	-	-	-	-	-	✓	✓	-	-	
GLAZING TYPE	N22	N23	N24	N22	I22	E2	E2	E2	E2	
NUMBER OF GASKETS	4	4	4	4	4	4	4	4	4	
ROOF PITCH	15-90°	15-90°	15-90°	15-65°	15-90°	15-90°	15-65°	15-90°	15-65°	
CATALOGUE PAGE	29	29	29	31	33	36	37	36	37	



5° - 90°



15° - 90°



5° - 75°



15° - 75°

roof pitch



comfortable positioning of the sash
for cleaning the outer pane



electric motor 230V
controlled by the AP4 remote
control



electric motor 230V
controlled by AWN switch



rain detector

Product line **RESET**

The EPDM flashing

The Reset line products include EPDM windows and skylights. It is an elastomer resistant to weather conditions (UV, ozone) and acids. provides good insulation against moisture and also has excellent insulating properties. Due to its properties, EPDM has been used for many years in railways for the damping and insulation of tracks, and for the creation of signs of passenger safety zones on platforms. In the automotive industry, EPDM is used in the production of shock-absorbing elements and seals. An elastomer is used in sports construction of a running track, playgrounds and playgrounds. In construction, it is used for all kinds of sealing, including the production of roofing membranes.

Flashing, designed to connect the roof with the membrane, will remain flexible in the temperature range from -40° to + 150° Celsius. It will not change color because it is completely resistant to UV rays and ozone, it has the properties of reverse deformation under the action of mechanical force, so it will not deform and change form. The collar is waterproof.

Truly aesthetics, durable comfort, solid safeness

The extraordinary aesthetics of the exposed glass in an solid aluminum frame fits the futuristic construction trends. The product characterizes the aesthetic of a smooth glass pane, which makes the visual aspect of the roof extremely attractive. Innovative technology breaks down the barriers of solutions and provides: design, functionality and safety.

Previously used aluminum flashing is replaced by high quality EPDM material. Integrated flashing allows installation for almost all roofing materials. It can be installed in a combination for free - multiple windows with integrated flashings for horizontal combinations.

The EPDM material has a special feature of noise reduction when compared to the aluminum (e.g. - during rain or hail). The Reset products are protected against UV.

The EPDM flashing is a complete novelty in the roof window market. It is totally resistant to stretching, mechanical damages, weather conditions. Safe glazing unit with laminated inner pane provides higher endurance against hail or brake risk.

Skylight with EPDM flashing
VERSA RESET WVR V8 / V6

page 2-13

Roof window with EPDM flashing
IGX F1 RESET

page 14-15

Design
Comfort
Safeness

VERSA RESET WVR V8

5 year
GUARANTEE
FOR SKYLIGHT

10 year
GUARANTEE
FOR WINDOW

Guarantee conditions are available at www.okpol.com



More in RESET line catalogue

LINIA PRODUKTÓW RESET

roof skylight
VERSA RESET
with EPDM flashing

WVR

FOR NON-USE, UNHEATED ROOMS

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.



Roof skylight with EPDM flashing open on the left or right side

VERSA RESET WVR V8/V6

Product features and benefits:

- ✓ profile made of high-quality pine wood
- ✓ profile color - natural wood
- ✓ 2 and 3-glazed unit available
- ✓ integrated with the EPDM flashing
- ✓ the extruded aluminum frame and the EPDM flashing are made in the same color RAL 7016
- ✓ roof pitch 5-75° (5-75° for V8, 15-75° for V6)
- ✓ open to the left or right side
- ✓ has a variable opening direction of the sash
- ✓ glazing unit with laminated P2A glass provides a high level safety (in the V8 glazing package)
- ✓ possibility of free installation in combination - by using integrated, universal RESET flashing (for horizontal combinations)
- ✓ installation in 15 minutes
- ✓ safe installation - the lack of sharp elements minimizes risk of injury

Standard kit :

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



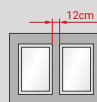
15 min
THE QUICKEST
INSTALLATION



FOR MOST
ROOF COVERINGS



5°-75°
ROOF PITCH*



KOMBI
GRATIS!



HIGHEST
RESISTANCE

The flashing is resistant to:
- stretching
- mechanical damage
- weather conditions (UV radiation)

Glazing unit:

Glass model	V8	V6
Properties of the glass	3 - glazed unit 24 mm	2 - glazed unit 24 mm
	toughened, safe glass P2A class	toughened glass

Available sizes:

Glazing area [m²]	
Symbol size	
Window sizes: width x height [cm]	47x73
VERSA RESET WVR V8	✓
VERSA RESET WVR V6	✓

4-glazed PVC window
integrated with
EPDM flashing

IGX F1

RESET

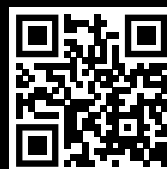


One type of EPDM flashing enables:

1. Compatibility with most type of the roofs:

- ✓ flat roofs covering,
- ✓ high coverings,
- ✓ slates,
- ✓ panel sheet
- ✓ flat tiles coverings.

2. For KOMBI sets of RESET line
products no additional charge is present.



Watch test
and installation
movies

4-glazed window, fixed, PVC with EPDM flashing IGX F1 RESET

Product features and benefits:

- ✓ energy-saving window
- ✓ made of multi-chamber PVC profiles; the chambers are filled with insulating material: polyurethane foam, reinforced with steel cores
- ✓ moisture-resistant profile
- ✓ maintenance-free
- ✓ window is very easy to keep clean
- ✓ profile color - aesthetic white
- ✓ fashionable color - RAL 7022
- ✓ roof pitch 5-90°
- ✓ window does not open
- ✓ glazing unit with P2A laminated glass ensures high security level
- ✓ ideally suited for large glazing - e.g. combi connections horizontally (no need to purchase additional flanges / accessories for this type of connection)
- ✓ installation of the set takes up to 15 minutes
- ✓ installation is safe - the lack of sharp elements minimizes risk of injury
- ✓ very elegant window design - thanks to unusual aesthetics exposed glass in an invisible, solid aluminum frame
- ✓ the appearance of the window is very minimalist - the product refers to a uniform, smooth glass pane, which makes the visual aspect of the roof more attractive and modernized



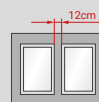
15 min
THE QUICKEST
INSTALLATION



FOR MOST
ROOF COVERINGS



5°-75°
ROOF PITCH*



KOMBI
GRATIS!



HIGHEST
RESISTANCE
The flashing is resistant to:
- stretching
- mechanical damage
- weather conditions (UV radiation)

Glazing unit:

Glass model	F1
U - value of glass	U _g = 0,5 W/m²K
Gas	gas Argon
Properties of the glass	toughened, safe glass P2A class

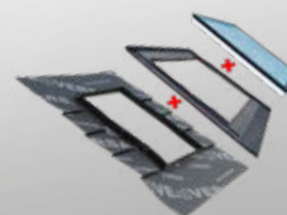
Energy-saving:

U - value of window	
Window model	IGX F1 RESET
U _w [W/m²K]	0,79

Sizes and prices:

Glazing area [m²]	
Symbol size	
Window sizes: width x height [cm]	78×98
IGX F1 RESET	✓

IGX F1 RESET set:



* IGX F1 RESET - it is possible to use a reduced mounting in the range from 5 to 15 degrees, mounting in a roof structure - watertightness tested according to EN 1873: 2014 + A1: 2006
** it is possible to combine two or more windows from the RESET line in a horizontal combination.

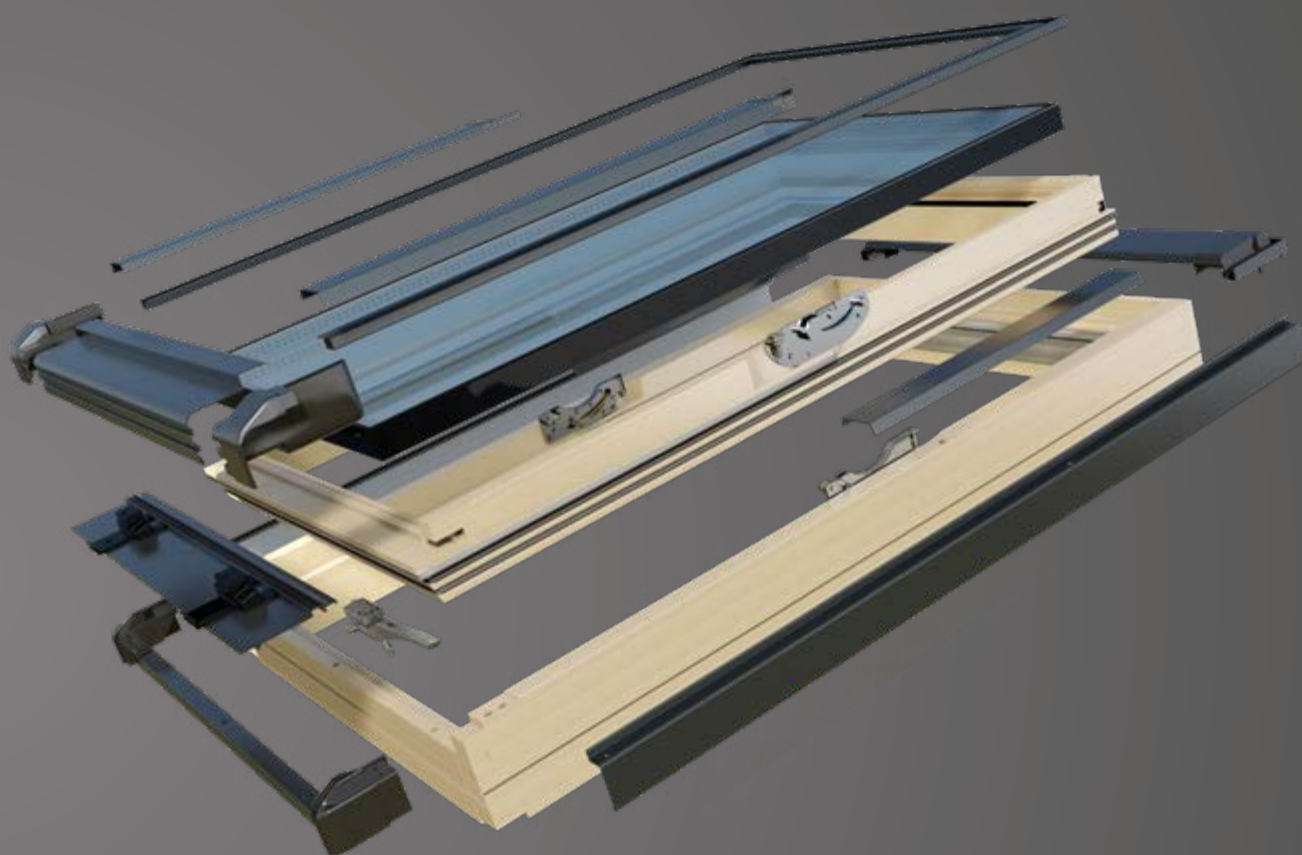
Wooden roof windows

3-glazed wooden windows

The construction of wooden windows produced in SuperThermo technology, apart from stable, solid joinery made of glued pine wood, with a frame depth of 130 mm, has a modern solution for external cladding. The innovative design combining aluminum and PVC elements emphasizes the aesthetics of the roof while maintaining increased tightness and thermal insulation of the entire window.



Warm
Durable
Tight



3-glazed wooden
centre-pivot window

ISOV



ISOV 122



Triple pivot windows are a solution that has been designed to save thermal energy in the building, even in the most demanding building structures. Their triple-pane variant is based on packages with a 36 mm thickness, equipped with two low-emission coatings and it allows for maximum gains from solar radiation, while reducing heat losses. The hinge, located in the middle of the sash, enables its rotation by 180°.

- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed wooden centre-pivot window

ISOV I2/I22/I7/I25

Product features and benefits:

- ✓ energy-saving window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	I2	I22	I7	I25
U - value of glass	Ug = 0,5 W/m²K	Ug = 0,7 W/m²K	Ug = 0,7 W/m²K	Ug = 0,7 W/m²K
Gas	Crypton	Argon	Argon	Argon
Properties of the glass	-	-	self-cleaning glass SGG Bioclean	safe glass P2A class
	2 x warm spacer, toughened pane	2 x warm spacer, toughened pane	2 x warm spacer, toughened pane	2 x warm spacer, toughened pane

Energy-saving:

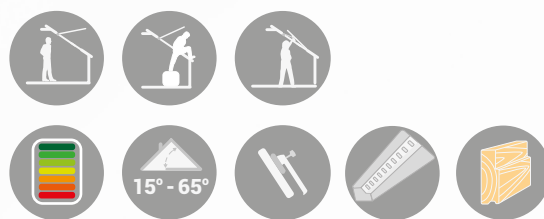
U - value of window with selected glazing unit				
Window model	ISOV I2	ISOV I22	ISOV I7	ISOV I25
Uw [W/m²K]	0,91	1,06	1,06	1,06

Sizes and prices:

Glazing area [m²]	0.20	0.27	0.36	0.45	0.55	0.45	0.56	0.70	0.81	0.71	0.89	1.04	0.91	1.12	0.88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISOV I2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISOV I22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISOV I7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISOV I25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3-glazed wooden
top-hung window

ISKV



ISKV 14



Top-hung windows are designed uniquely, which is confirmed by a patent application. Those windows has two functions for opening the sash: tilt and slide. The tilt function enables smooth adjustment of the sash in the range of 0-30° and opening up to 62°. The window does not take any space inside the room at any time, which means for user not only freedom of movement or appearance, but also comfort of fitting windows even to a small attic. The sliding function allows to easily turn the outer pane towards the room, which allows it to be washed thoroughly. The window can also act as a safe exit to the roof.

- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed wooden top-hung window ISKV I4

Product features and benefits:

- ✓ energy-saving window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ highly energy-saving window
- ✓ the window has two practical functions for opening the sash
- ✓ sash opens to 62 degrees (see table below)
- ✓ easy cleaning thanks to the sliding function - rotation of the sash outside towards the room
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	I4
U - value of glass	U _g = 0,5 W/m²K
Gas	Crypton
Properties of the glass	self-cleaning SGG Bioclean 2 x warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	ISKV I4
U _w [W/m²K]	0,91

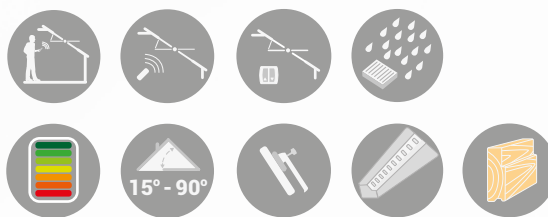
Sizes and prices:

Glazing area [m²]	0,20	0,27	0,36	0,45	0,55	0,45	0,56	0,70	0,81	0,71	0,89	1,04	0,91	1,12	0,88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55×78	55×98	66×98	66×118	66×140	78×98	78×118	78×140	78×160	94×118	94×140	94×160	114×118	114×140	134×98
ISKV I4	✓	✓	✓	✓	✓	✓	✓	✓		✓				✓	
Sash opening angle in ISKV I4 window	57°	57°	59°	62°	57°	59°	62°		59°				59°		

Standard actuators enable correct opening of the sash for installation angle in range of 25-65°, and for size of 78x160 in range of 35-65°. For remaining ranges, consultation with the Technical and Commercial Advisor or the Customer Service Office is necessary.

3-glazed wooden
centre-pivot electrical
window

ISC



ISC1 122



Wireless operation with a remote control or wall switch makes the electrically operated window an ideal solution for hard-to-reach places. ISC1 electric windows are very functional because they have a rain sensor, which closes the sash when it rains on it. This function affects the interior against flooding.

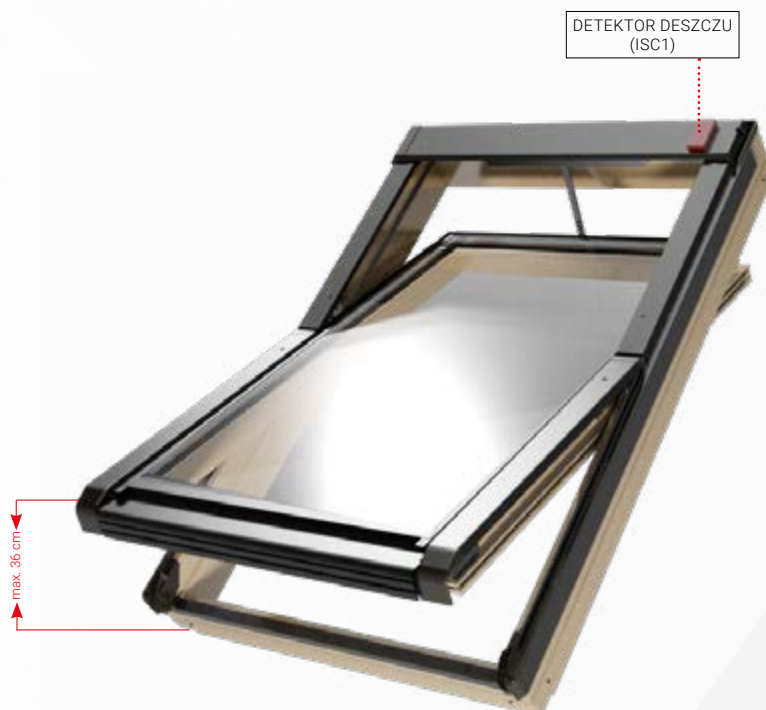
- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed wooden centre-pivot, electrical window

ISC1 I22 | ISC2 I22

Product features and benefits:

- ✓ energy-saving window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ two convenient types of control:
 - AP4 remote control in the ISC1 model
 - AWN switch on the ISC2 model
- ✓ the ISC1 model has a rain detector, thanks to which in the event of rainfall - it will automatically close the sash, protecting the interior against flooding
- ✓ remote control allows you to open a window that is in an inaccessible place
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	I22
U - value of glass	$U_g = 0,7 \text{ W/m}^2\text{K}$
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

	U - value of window	
Window model	ISC1 I22	ISC2 I22
U_w [W/m ² K]	1,06	1,06

Sterowanie:

Pilot AP4 w modelu ISC1	Przełącznik AWN w modelu ISC2
	

Sizes and prices:

Glazing area [m ²]	0.20	0.27	0.36	0.45	0.55	0.45	0.56	0.70	0.81	0.71	0.89	1.04	0.91	1.12	0.88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISC1 I22 z siłownikiem elektrycznym 230V sterowanym pilotem AP4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISC2 I22 z siłownikiem elektrycznym 230V sterowanym przełącznikiem AWN			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3-glazed wooden
L-shaped window

IKD



An L-shaped window is a designer way to create a bright and spacious arrangement of the attic. Its remarkable design uses a large glazing area to illuminate the interior with natural light. The window looks very attractive both from the inside and from the outside, it has a positive effect on the interior design.



X - Standard size of flashing cover and wind deflector is 70cm

3-glazed wooden L-shaped window

IKDN FIP I22 | IKDU I22

Product features and benefits:

- ✓ energy-saving window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ color of the flashing - RAL 7022
- ✓ installation angle 90°
- ✓ two types of windows to choose from: opening (tilt) and fixed
- ✓ L-shaped windows increase the amount of light in the room

IKDU I22 TILT



IKDN FIP I22 FIXED



Glazing unit:

Glass model	I22
U - value of glass	U _g = 0,7 W/m²K
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	IKDN FIP I22 / IKDU I22
U _w [W/m²K]	1,06

Sizes and prices:

Window sizes: width x height [cm]	66x60	66x75	66x95	66x115	66x137	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	94x137	114x60	114x75	114x95
IKDN FIP I22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IKDU I22	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓		✓	✓

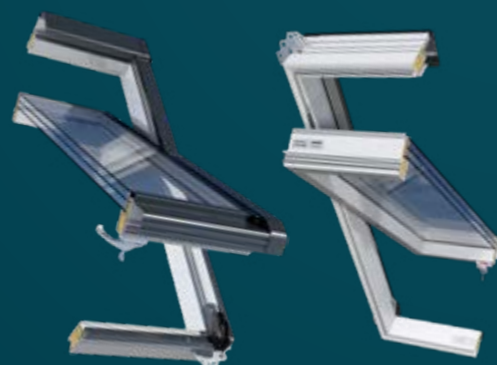
L-shaped flashing sizes and prices:

Glazing area [m²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Symbol size															
Window sizes: width x height [cm]	55 x 78	55 x 98	66 x 98	66 x 118	66 x 140	78 x 98	78 x 118	78 x 140	78 x 160	94 x 118	94 x 140	94 x 160	114 x 118	114 x 140	134 x 98
UKS universal flashing for wooden L-shaped windows (RAL 7022)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

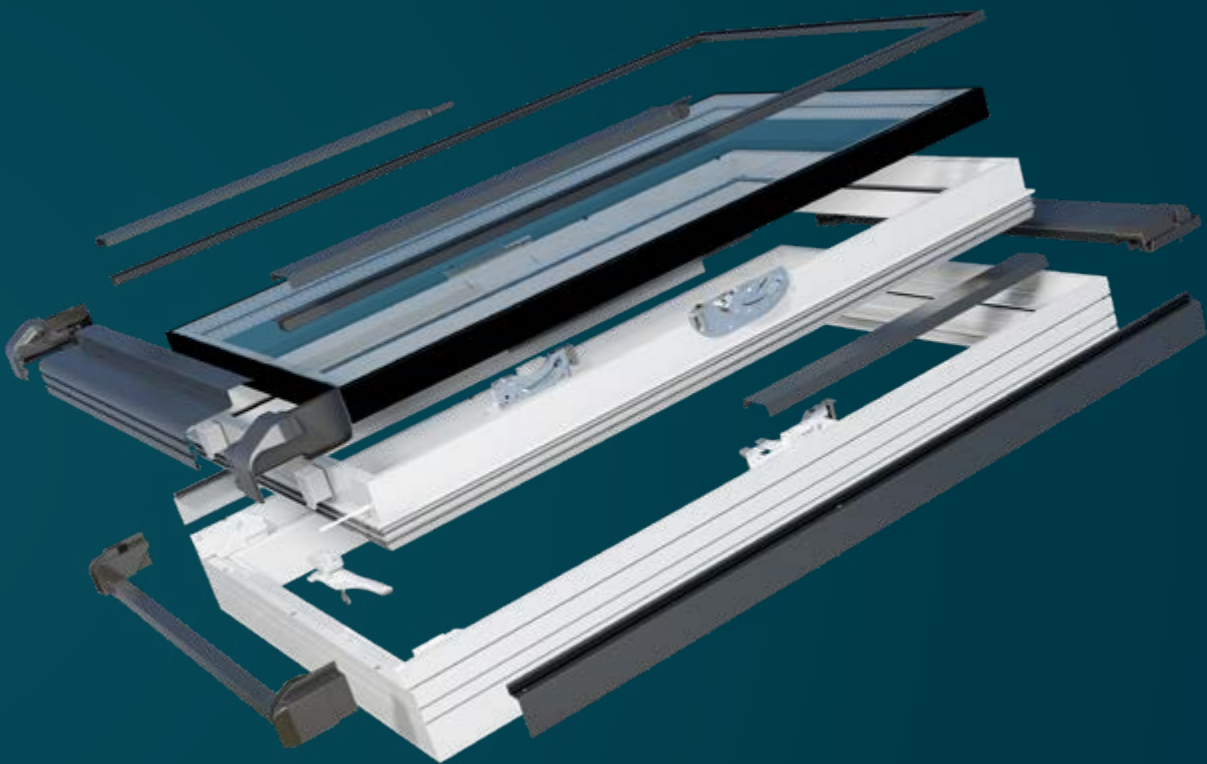
PVC roof windows

Roof window with PVC profile

Manufactured in energy-saving SuperThermo technology, made of PVC, refined in every detail. Group of PVC windows is intended for rooms with high humidity, such as kitchens, bathrooms or laundries. The 130 mm deep frame forms a solid basis for the structure. The joinery is made of multi-chamber PVC profiles, reinforced with steel profiles and filled with polyurethane foam in order to improve the thermal insulation of the window.



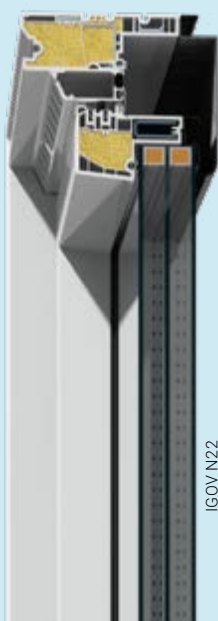
Resistant
Solid
Energy-saving



3-GLAZED PVC WINDOW

3-glazed PVC
centre-pivot window

IGOV



IGOV N22



PVC triple pivot windows are a solution designed to save thermal energy in the building, even in the case of the most difficult building structures. Triple-pane variant is based on packages with a thickness of 36 mm equipped with two low-emission coatings, which allows for maximum gains from solar radiation while reducing heat losses. The hinge placed in the middle of the sash allows its rotation by 180°.

- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed PVC centre-pivot window IGOV N22/N23/N24

Product features and benefits:

- ✓ energy-saving window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ NEO - VENT air inlet allowing the inflow of fresh air
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the cladding - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ the window is recommended for indoor installation with increased humidity (kitchens, bathrooms)
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	N22	N23	N24
U - value of glass	Ug = 0,5 W/m²K	Ug = 0,5 W/m²K	Ug = 0,5 W/m²K
Gas	Argon	Argon	Argon
Properties of the glass	-	safe glass P2A class	self-cleaning glass SGG Bioclean
	2 x warm spacer, toughened pane	2 x warm spacer, toughened pane	2 x warm spacer, toughened pane

Energy-saving:

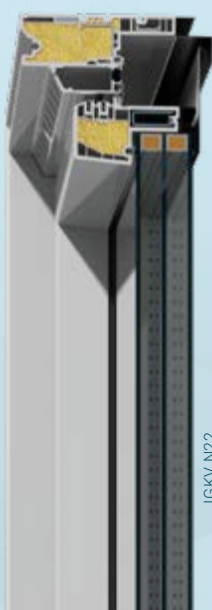
U - value of window with selected glazing unit			
Window model	IGOV N22	IGOV N23	IGOV N24
Uw [W/m²K]	0,83	0,83	0,83

Sizes and prices:

Glazing area [m²]	0.20	0.27	0.36	0.45	0.55	0.45	0.56	0.70	0.81	0.71	0.89	1.04	0.91	1.12	0.88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
IGOV N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IGOV N23	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IGOV N24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3-glazed PVC
top-hung window

IGKV



IGKV N22



Top hung-windows are a unique, confirmed by the Patent Application construction, that provides two absolutely separate ways of opening the sash: tilting and sliding. The tilting function enables smooth regulation of the sash in 0-30 degrees angle and 62-degree opening. At any time, window does not take any place of the room - that ensures not only the incredible ease of movement but also comfort of adjusting the carpentry even to the really small and tight spaces. For instance, the sliding function eases rotation of the external glass and enables its precise cleaning. Such window can be also used as a safe entrance to the roof.

- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed PVC top-hung window IGKV N22

Product features and benefits:

- ✓ energy-saving window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ NEO - VENT air inlet allowing the inflow of fresh air
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ highly energy-saving window
- ✓ window has two practical functions for opening the sash
- ✓ sash opens to 62 degrees (see table below)
- ✓ easy cleaning thanks to the sliding function - rotation of the sash outside towards the room
- ✓ highly energy-saving window
- ✓ the window is recommended for indoor installation with increased humidity (kitchens, bathrooms)
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	N22
U - value of glass	U _g = 0,5 W/m²K
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	IGKV N22
U _w [W/m²K]	0,83

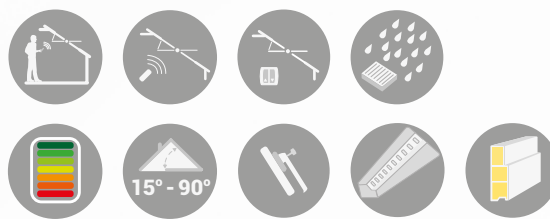
Sizes and prices:

Glazing area [m²] Symbol size Window sizes: width x height [cm]	01 55x78	02 55x98	03 66x98	04 66x118	15 66x140	05 78x98	06 78x118	07 78x140	13 78x160	08 94x118	09 94x140	14 94x160	10 114x118	11 114x140	12 134x98
IGKV N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sash opening angle in IGKV N22 window	57°	57°	59°	62°	57°	59°	62°	59°	62°	59°	59°	59°	59°	59°	59°

Standard actuators enable correct opening of the sash for installation angle in range of 25-65°, and for size of 78x160 in range of 35-65°. For remaining ranges, consultation with the Technical and Commercial Advisor or the Customer Service Office is necessary.

3-glazed PVC
centre-pivot, electrical
window

IGCV



IGCV1 I22



Wireless operation with a remote control or wall switch makes the electrically operated window an ideal solution for hard-to-reach places. Their unique functionality is also a special rain sensor (for the IGC1 model), which causes the sash to close automatically in unfavorable weather conditions. Additionally, windows made of PVC are resistant to weather conditions and can be used in rooms with high humidity.

- » Do you want to darken or cool the interior? See our accessories for roof windows on pages 58-61 of the catalog.
- » It is possible to order a window with a masking frame in the place of air-inlet (no extra charge).

3-glazed PVC centre-pivot, electrical window IGC1V I22 | IGC2V I22

Product features and benefits:

- ✓ energy-saving window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ profile is resistant to moisture and requires no maintenance
- ✓ window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ NEO - VENT air inlet allowing the inflow of fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the cladding - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ window is recommended for indoor installation with increased humidity (kitchens, bathrooms)
- ✓ two convenient types of control:
 - **AP4 remote control in the IGC1 model**
 - **AWN switch on the IGC2 model**
- ✓ IGC1 model has a rain detector, thanks to which in the event of rainfall - it will automatically close the sash, protecting the interior against flooding
- ✓ remote control allows you to open a window that is in an inaccessible place
- ✓ can be installed with additional sealing accessories (page 54)



Glazing unit:

Glass model	I22
U - value of glass	U _g = 0,7 W/m²K
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

U - value of window		
Window model	IGC1V I22	IGC2V I22
U _w [W/m²K]	1,0	1,0

Control:



Sizes and prices:

Glazing area [m²]	0.20	0.27	0.36	0.45	0.55	0.45	0.56	0.70	0.81	0.71	0.89	1.04	0.91	1.12	0.88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
IGC1V I22 z siłownikiem elektrycznym 230V sterowanym pilotem AP4			✓	✓	✓	✓	✓	✓		✓				✓	
IGC2V I22 z siłownikiem elektrycznym 230V sterowanym przełącznikiem AWN		✓	✓	✓	✓	✓	✓	✓		✓				✓	

3-glazed PVC
L-shaped window

KPVC



L-shaped windows are designed to combine the advantages of a roof window with a facade window. They provide a lot of sunlight to the interior - the best effect is obtained when grouping them in blocks (combi-installation - two or more windows next to each other). Tilt and turn-tilt versions allow the sash to be tilted, thanks to which the rooms can be better ventilated. Additionally, windows made of PVC are resistant to weather conditions and can be used in rooms with high humidity.



X - Standard size of flashing cover and wind deflector is 70cm

3-glazed PVC L-shaped window

KPVCU N22 | KPVCN N22 | KPVCL N22 | KPVCP N22

Product features and benefits:

- ✓ energy-saving window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ welds in V-Perfect technology
- ✓ the window is easy to keep clean
- ✓ color of the flashing - RAL 7022
- ✓ carpentry color - aesthetic white inside
- ✓ **exterior veneer of Ulti Matt UD RAL 7016**
- ✓ installation angle 90°
- ✓ 4 types of windows to choose from: tilt, opening right-hand side, left-hand opening and non-opening
- ✓ handle with a key and a micro-opening function
- ✓ L-shaped windows increase the amount of light in the room



Glazing unit:

Glass model N22	
U - value of glass	U _g = 0,5 W/m²K
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

U - value of window				
Window model	KPVCU N22	KPVCN N22	KPVCL N22	KPVCP N22
U _w [W/m²K]	0,79	0,79	0,79	0,79

Sizes and prices:

Window model	Wymiary okna: szerokość x wysokość [cm]														
	66x60	66x75	66x95	66x115	66x137	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	94x137
KPVCL N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KPVCP N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KPVCU N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KPVCN FIX N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

L-shaped flashing sizes and prices:

Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55 x 78	55 x 98	66 x 98	66 x 118	66 x 140	78 x 98	78 x 118	78 x 140	78 x 160	94 x 118	94 x 140	94 x 160	114 x 118	114 x 140	134 x 98
UKG universal flashing for PVC L-shaped windows (RAL 7022)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

2-glazed centre-pivot windows

2-glazed wooden centre-pivot window ISOV E2



Product features and benefits:

- ✓ energy-saving window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ can be installed with additional sealing accessories (page 54)

Glazing unit:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	ISOV E2
Uw [W/m²K]	1,2 <i>i</i>

2-glazed PVC centre-pivot window IGOV E2



Product features and benefits:

- ✓ window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ NEO - VENT air inlet allowing the inflow of fresh air
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the cladding - RAL 7022
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1/2 of the profile height
- ✓ highly energy-saving window
- ✓ the window is recommended for indoor installation with increased humidity (kitchens, bathrooms)
- ✓ can be installed with additional sealing accessories (page 54)

Glazing unit:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

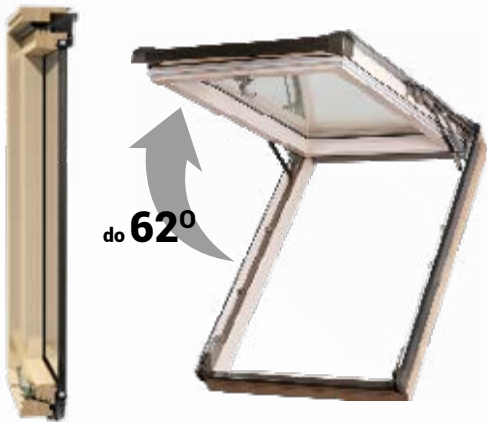
U - value of window	
Window model	IGOV E2
Uw [W/m²K]	1,2 <i>i</i>

Sizes and prices:

Glazing area [m²] Symbol size Window sizes: width x height [cm]	01 55×78	02 55×98	03 66×98	04 66×118	05 66×140	06 78×98	07 78×118	08 78×140	09 78×160	10 94×118	11 94×140	12 94×160	13 114×118	14 114×140	15 134×98
ISOV E2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IGOV E2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

2-glazed top-hung windows

2-glazed wooden top-hung window ISKV E2



Standard actuators enable the correct opening of the sash for the installation angle in the range of 25-65°, and for the size 78x160 in the range of 35-65°. For the remaining ranges, consultation with the Technical and Commercial Advisor or the Customer Service Office is necessary.

Product features and benefits:

- ✓ window with a profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ NEO - VENT air inlet enabling inflow fresh air
- ✓ window is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ highly energy-saving window
- ✓ the window has two practical functions for opening the sash
- ✓ sash opens to 62 degrees (see table below)
- ✓ easy cleaning thanks to the sliding function - rotation of the sash outside towards the room
- ✓ can be installed with additional sealing accessories (page 54)

Glazing unit:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	ISKV E2
Uw [W/m²K]	1,3

2-glazed PVC top-hung window IGKV E2



Standard actuators enable the correct opening of the sash for the installation angle in the range of 25-65°, and for the size 78x160 in the range of 35-65°. For the remaining ranges, consultation with the Technical and Commercial Advisor or the Customer Service Office is necessary.

Product features and benefits:

- ✓ window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ NEO - VENT air inlet allowing the inflow of fresh air
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ window has two practical functions for opening the sash
- ✓ sash opens to 62 degrees (see table below)
- ✓ easy cleaning thanks to the sliding function - rotation of the sash outside towards the room
- ✓ the window is recommended for indoor installation with increased humidity (kitchens, bathrooms)
- ✓ can be installed with additional sealing accessories (page 54)

Glazing unit:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

U - value of window	
Window model	IGKV E2
Uw [W/m²K]	1,2

Sizes and prices:

Glazing area [m²]	0.20	0.27	0.36	0.45	0.55	0.45	0.56	0.70	0.81	0.71	0.89	1.04	0.91	1.12	0.88
Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISKV E2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
IGKV E2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Sash opening angle in ISKV E2/IGKV E2 window	57°	57°	59°	62°	62°	57°	59°	62°	62°	59°	62°		59°	62°	

Roof skylights

VERSA®

Roof skylights

for living quarters and unheated attics

Roof skylights available in offer can be used in living quarters - such as bedrooms or bathrooms, and in unused attics. Energy-saving triple-glazed skylights, available in both wooden and PVC versions, can be used as an exit to the roof from any room without disturbing the thermal parameters of building. Double-glazed access windows are a simple, convenient, safe and extremely practical solution for unused attics. Model integrated with the EPDM flashing (page 13) is especially recommended skylight.



Comfortable
Practical
Timeless

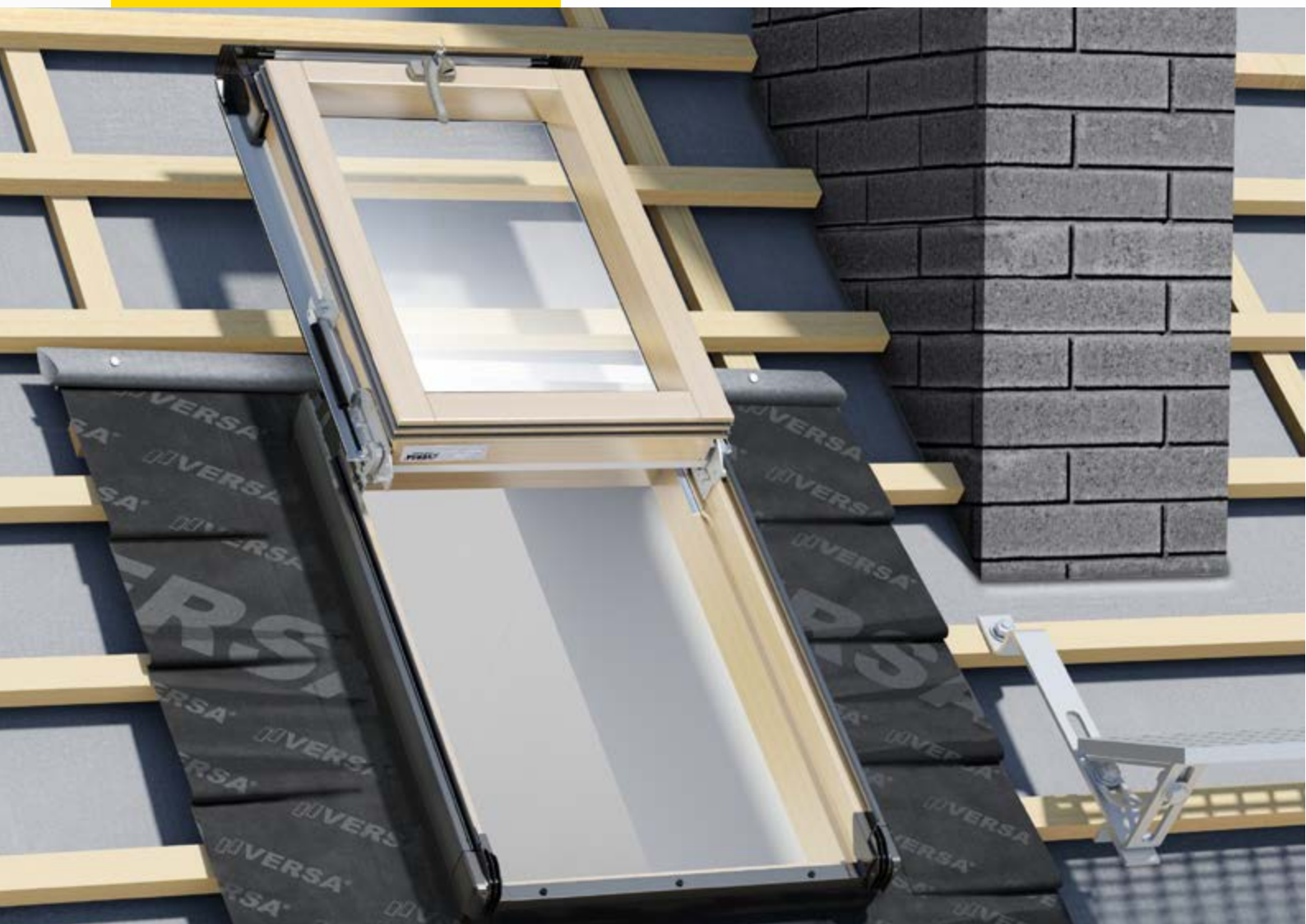


3-glazed wooden
skylight

ISWX

FOR HABITABLE AREAS / HEATED ROOMS

VERSA®



ISWX 122



Skylight for usable, heated rooms have thermal transmittance parameters as good as roof windows and additionally, the sash opens in a way that allows access to the roof to inspect it, mount antennas or perform chimney works. The hatch also enables possible evacuation from the building. The sash "lays down" on the roof, so it does not interfere with exit. Skylight is recommended for bedrooms and living rooms.

3-glazed wooden skylight that opens upwards ISWX I22

Product features and benefits:

- ✓ profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ skylight is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ gas springs to facilitate the ease of opening up to 30°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)



30°



180°

Glazing unit:

Glass model	I22
U - value of glass	$U_g = 0,7 \text{ W/m}^2\text{K}$
Gas	Argon
Properties of the glass	2 x warm spacer, toughened pane

Energy-saving:

U - value of skylight	
Skylight model	ISWX I22
U_w [W/m ² K]	1,06

Sizes and prices:

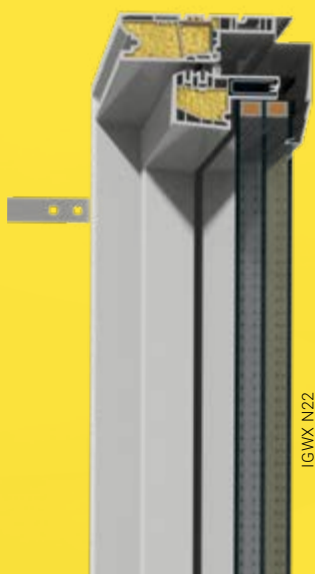
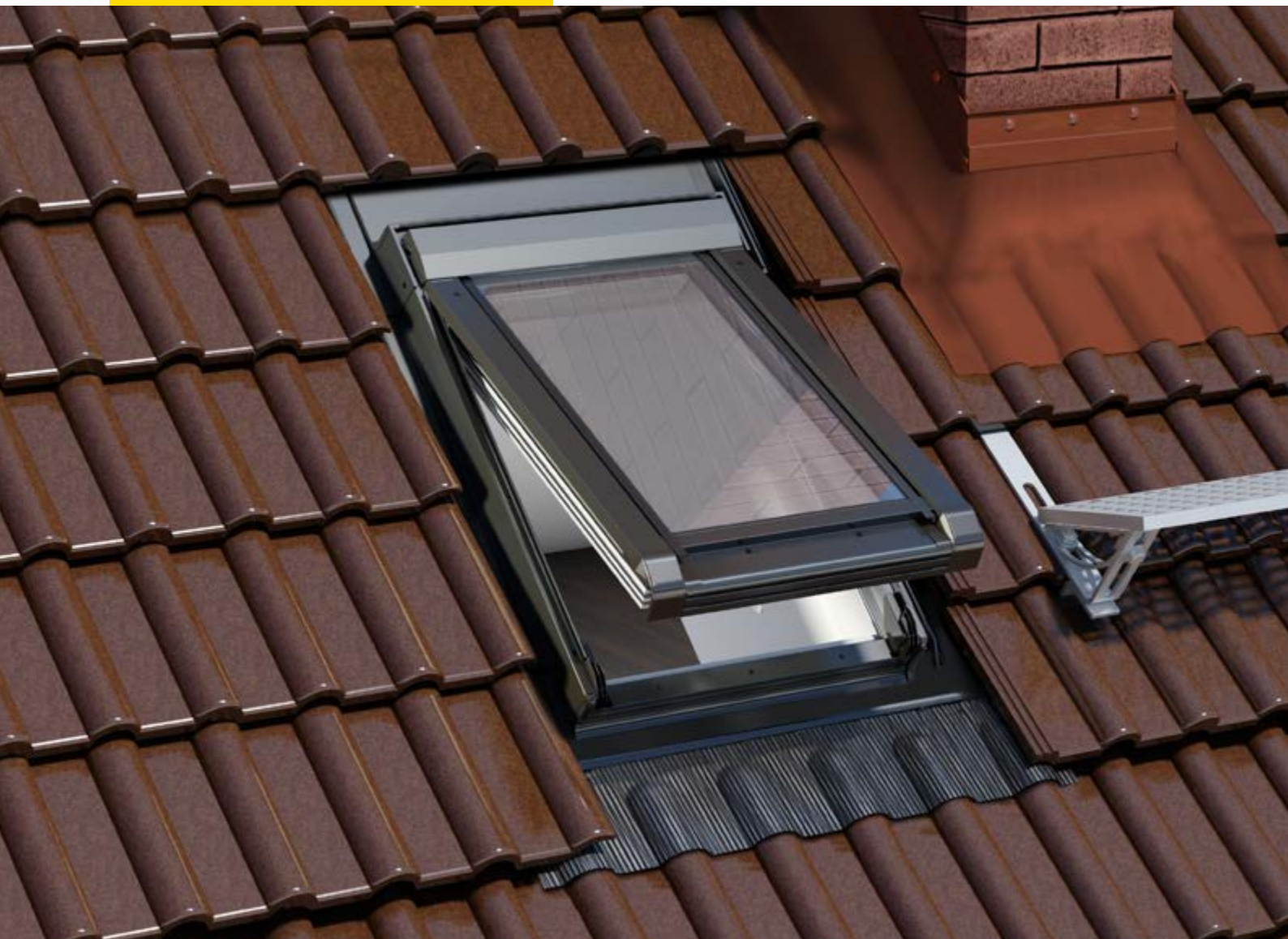
Glazing area [m ²] Symbol size Window sizes: width x height [cm]	01 55x78	02 55x98
	0,20	0,27
ISWX I22	✓	✓

3-glazed PVC
skylight

IGWX

FOR HABITABLE AREAS / HEATED ROOMS

VERSAR[®]



IGWX N22



Skylight for usable, heated rooms have thermal transmittance parameters as good as roof windows and additionally, the sash opens in a way that allows access to the roof to inspect it, mount antennas or perform chimney works. The hatch also enables possible evacuation from the building. The sash "lays down" on the roof, so it does not interfere with exit. Skylight is recommended for kitchens, bedrooms and laundries.

3-glazed PVC skylight that opens upwards IGWX N22

Product features and benefits:

- ✓ window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ gas springs to facilitate the ease of opening up to 30°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)



30°



180°

Glazing unit:

Glass model N22	
U - value of glass	Ug = 0,5 W/m²K
Gas	Argon
Properties of the glass	-
	2 x warm spacer, toughened pane

Energy-saving:

U - value of skylight	
Skylight model	IGWX N22
Uw [W/m²K]	0,83

Sizes and prices:

	0,20		0,27	
	01	02	01	02
Glazing area [m²]				
Symbol size				
Window sizes: width x height [cm]	55×78	55×98		
IGWX N22	✓	✓		

2-glazed skylight that opens upwards

FOR NON-HABITABLE AREAS

VERSA®

2-glazed wooden skylight ISWX+ E2



Integrated underfelt collar improves connection with existing roofing felt

Product features and benefits:

- ✓ profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ skylight is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ gas springs to facilitate the ease of opening up to 30°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)

Pakiet szybowy:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energooszczędność:

U - value of skylight	
Skylight model	ISWX+ E2
Uw [W/m²K]	1,2 <i>i</i>

2-glazed PVC skylight IGWX+ E2



Integrated underfelt collar improves connection with existing roofing felt

Product features and benefits:

- ✓ window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ gas springs to facilitate the ease of opening up to 30°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)

Glazing unit:

Glass model	E2
U - value of glass	Ug = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

U - value of skylight	
Skylight model	IGWX+ E2
Uw [W/m²K]	1,2 <i>i</i>

Sizes and prices:

Glazing area [m²]	0,23	0,30	0,40	0,48
Symbol size	01	02	03	05
Window sizes: width x height [cm]	55x78	55x98	66x98	78x98
ISWX+ E2	✓	✓	✓	✓
IGWX+ E2	✓	✓	✓	✓

2-glazed skylight that opens upwards

FOR NON-HABITABLE AREAS

VERSA®

2-glazed wooden skylight ISWX E2



Product features and benefits:

- ✓ profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ skylight is extremely tight thanks to 4 seals
- ✓ safe handle with key and micro-ventilation function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)

Pakiet szybowy:

Glass model	E2
U - value of glass	U _g = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energooszczędność:

U - value of skylight	
Skylight model	ISWX E2
U _w [W/m²K]	1,2



2-glazed PVC skylight IGWX E2



Product features and benefits:

- ✓ window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material - polyurethane foam and reinforced with steel cores, which significantly increases the insulation parameters of the window
- ✓ the profile is resistant to moisture and requires no maintenance
- ✓ the window is easy to keep clean
- ✓ carpentry color - aesthetic white
- ✓ the window is extremely tight thanks to 4 seals
- ✓ safe handle with a key and a micro-opening function
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ skylight for habitable areas / heated rooms
- ✓ can be installed with additional sealing accessories (page 54)
- ✓ wide range of internal blinds and pleats (page 58-59)

Glazing unit:

Glass model	E2
U - value of glass	U _g = 1,0 W/m²K
Gas	gaz Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

U - value of skylight	
Skylight model	IGWX E2
U _w [W/m²K]	1,2



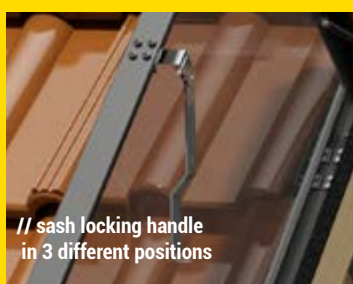
Sizes and prices:

Glazing area [m²]	0,23
Symbol size	01
Window sizes: width x height [cm]	55x78
ISWX E2	✓
IGWX E2	✓

2-glazed wooden
skylight

WVM+ WVD+

FOR NON-HABITABLE AREAS / NON-HEATED ROOMS



VERSA®



2- glazed wooden skylight opening with top hinges (WVM) and side hinges (WVD)

Product features and benefits:

- ✓ profile made of high-quality, glued pine wood, painted 3 times
- ✓ warm carpentry color - natural pine
- ✓ fashionable color of the flashing - RAL 7022
- ✓ wide range of installation angle 15-65°
- ✓ skylight for non-habitable areas
- ✓ allows easy and convenient access to the roof
- ✓ integrated underfelt collar improves connection with existing roofing felt
- ✓ variable sash opening direction (to the right or left side) - in the WVD model

Standardowe wyposażenie produktu:

- ✓ tile support
- ✓ opening restrictor
- ✓ threshold
- ✓ integrated flashing
- ✓ sponge seal
- ✓ gutter
- ✓ EPDM apron taped with butyl tapes
- ✓ handle with three locking positions



Watch the multimedia presentation of the VERSA SKYLIGHTS

WVM+



INTEGRATED UNDERFELT COLLAR

WVD+



INTEGRATED UNDERFELT COLLAR

Glazing unit:

Glass model	V2 3H/8/3 (AR)	V3 3H/8/3H (AR)+
U - value of glass	2-glazed	2-glazed
Gas	Argon	Argon
Properties of the glass	toughened pane	toughened pane (two toughened panes for size 86x86)

Sizes and prices:

	01 47x57	02 47x73	03 86x86
Glazing area [m ²]			
Symbol size			
Window sizes: width x height [cm]			
WVM+	✓		
WVD+		✓	✓

Custom-made roof windows

Thanks to the modern technological capabilities and advanced production line we can make a window adjusted to our clients' own preferences and needs. You can choose a particular shape and size of the window - we can fit them with 1 cm precision.

The aesthetical values such as colours and plastic elements types can be matched as well. In case of wooden windows our clients can determine the carpentry color to make the window suit perfectly to their interior design.

The non-standard shaping of the roof windows in an innovative approach to modern architecture which gives unlimited design possibilities.

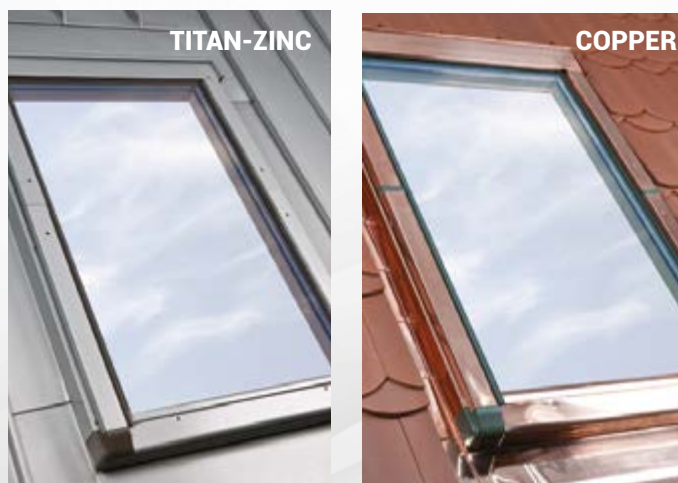


Non-standard shapes



It is possible to order a window with a shape adapted to the roof format. These windows are priced individually.

Non-standard flashing



On special request, we can also make the window flashing of titanium-zinc or copper. If your roof is made of these or similar materials, the window can fit perfectly into the roofing.

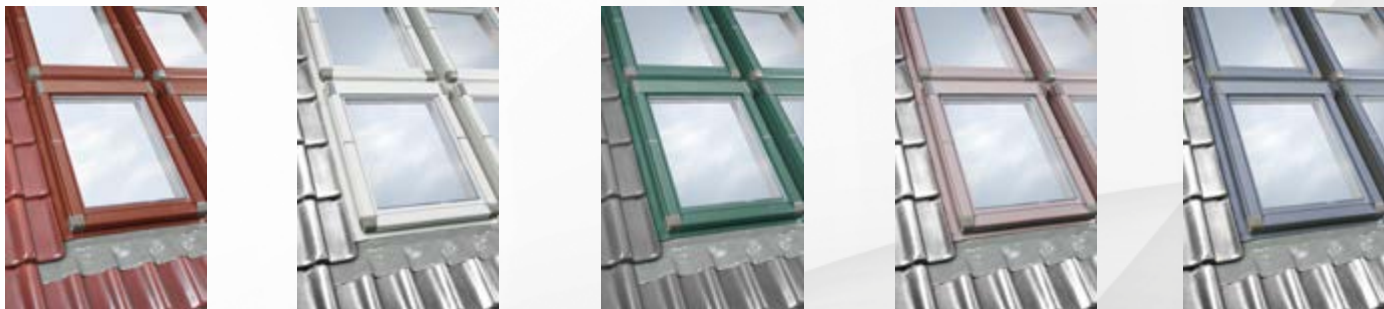
Non-standard sizes of roof windows and skylights

At the customer's request, we can produce windows of non-standard dimensions, with an accuracy of 1 cm.
Please provide the width and height of the desired window for consultation.

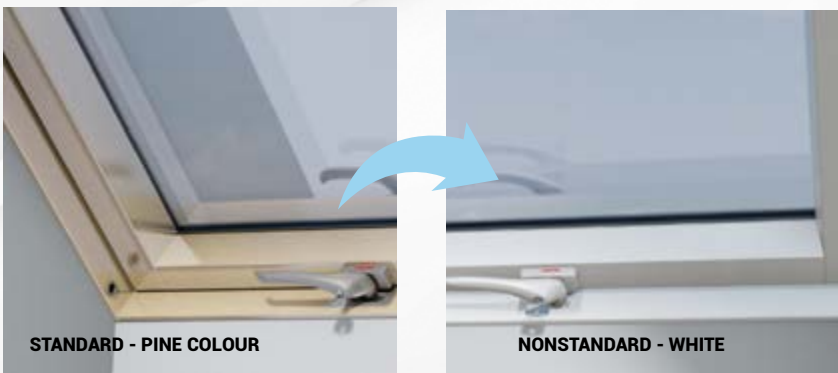


Non-standard flashing colours

Powder painted in RAL colours



Wooden windows carpentry



Non-standard orders are processed after consultation with Customer Service Office

Surcharge for painting wooden carpentry

		Window sizes: width x height [cm]														
Carpentry	Color	55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
sash + frame	white RAL 9003	✓ to get the prices please contact our Export Dept.														

Sealing flashings

Sealing flashing is necessary element to connect roof window with a roof slope. The appropriate collar should be selected depending on the type of roofing material.



H9 and H12 flashings have an apron made of EPDM roofing tape.

It is flexible, durable and safe to install. Ideally suited for high roofs - up to maximum of 12 cm. The apron is glued with butyl so that it is permanently attached to the roofing material.



Sizes of flashings:

Symbol kominerza	Opis	Window sizes: width x height [cm]														
		55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
H9	flat and profiled roofing materials up to 9 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
H12	flat and profiled roofing materials up to 12 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P	flat roofing materials up to 1 cm high (such as roofing felt or roof shingle)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L	slates up to 1 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LH	plain tiles from 2,4 to 3,2 (2x1,2 to 1,6 cm) high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
R	metal standing seam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BPH	panel sheet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D	flat tiles up to 4 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UKS UKG	universal flashing for roof windows connected with L-shaped	UKS - do okien drewnianych		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		UKG - do okien PVC														

H9**FOR HIGH PROFILED ROOFING MATERIALS**

Enables connection of the window with flat and profiled roofing up to **9 cm** height.
Made of polyester-coated aluminum sheet.
Apron made of EPDM roofing tape.

Examples of cover:
tile, profiled sheet

**H12****FOR HIGH PROFILED ROOFING MATERIALS**

Enables connection of the window with flat and profiled roofing up to **12 cm** height.
Made of polyester-coated aluminum sheet.
Thanks to the lead apron, these flashings are tight enough for such high roofing materials.

Examples of cover:
tile, profiled sheet

**P****FOR FLAT ROOFING MATERIALS**

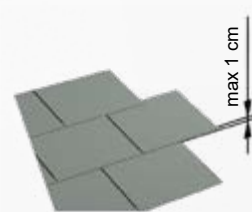
Enables connection of the window with flat roofings up to **1 cm** height (2x0,5 cm) such as roofing felt or roof shingle.
Made of polyester-coated aluminum sheet.

Examples of cover:
roofing felt, bituminous shingle, flat sheet metal

**L*****FOR SLATES***

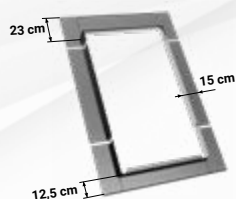
Enables connection of the window with slate roofing up to **1 cm** height (2x0,5 cm).
Made of polyester-coated aluminum sheet.

Examples of cover:
slate

**LH*****FOR PLAIN TILE***

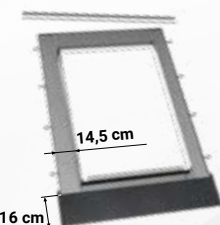
Enables connection of the window with slate roofing from **2,4 to 3,2 cm** cover thickness (2x 1,2-1,6 cm).
Made of polyester-coated aluminum sheet.

Examples of cover:
plain tile

**R*****FOR METAL STANDING SEAM***

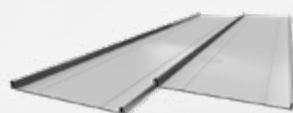
Enables connection of the window with metal roof surfaces, e.g. standing seam.
Made of polyester-coated aluminum sheet.

Examples of cover:
for flat sheet coverings, standing seam system

**BPH*****FOR PANEL SHEET***

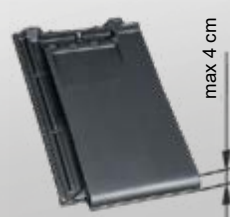
Enables connection of the window with metal panel coverings. Made of polyester-coated aluminum sheet.
Apron made of EPDM roofing tape.

Examples of cover:
for coverings made of panel sheet - prefabricated with a system seam

**D****FOR FLAT TILES**

Enables connection of the window with flat tiles up to **4 cm** high.

Examples of cover:
for flat tile roofing



All flashings are available in RAL 7022.

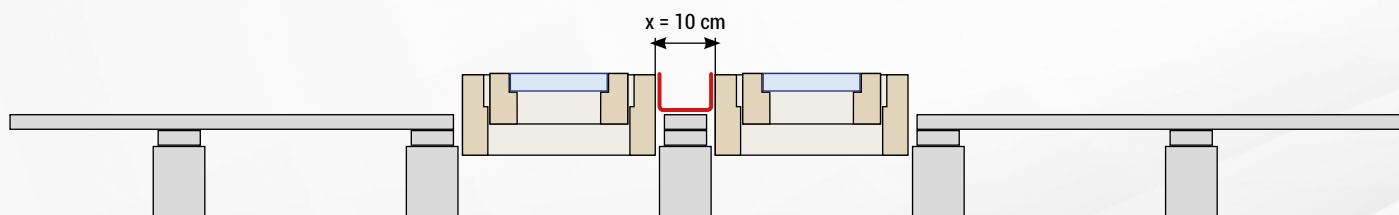
* Custom-made flanges require consultation with a Technical and Commercial Advisor or Customer Service Office.

KOMBI flashings

Window combinations

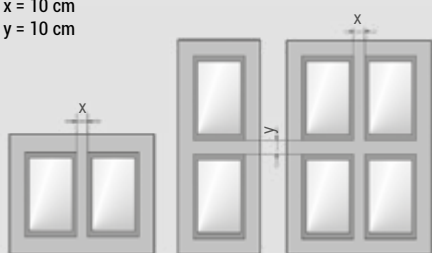
OKPOL roof windows can be joined both in horizontal and vertical lanes or even create surfaces made of several windows. There are a few rules referring to connecting the windows:

- ✓ windows' width may vary but their height must be the same when they are connected horizontally
- ✓ windows' height may vary but their width must be the same when they are connected vertically
- ✓ in kits equipped with external blinds, their pitch must be suitable with x and y sizes (the measurements for KOMBI flashings dedicated for windows with external blinds)
- ✓ while joining the windows on a big surface, the additional strenghtening between windows is needed
- ✓ only windows made from the same material (wooden or PVC) can be joined together



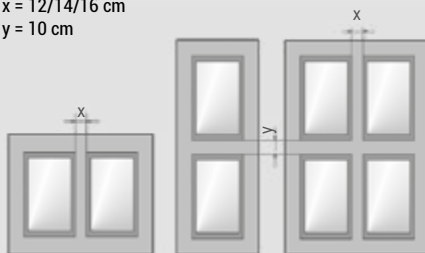
Standard measurements in KOMBI flashings

x = 10 cm
y = 10 cm



Non-standard measurements in KOMBI flashings

x = 12/14/16 cm
y = 10 cm



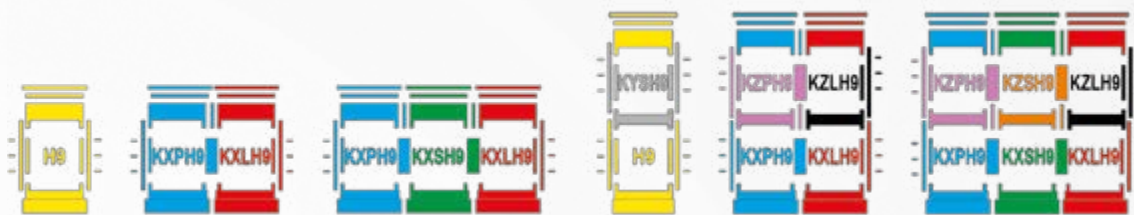
Measurements in KOMBI flashings for windows with external blinds

x = 10 cm for ARZS/ARZE, RZE/RZE1
y = 25 cm



KOMBI ELEMENTS FOR UNIVERSAL FLASHINGS (look from the outside)

Combi flashings allow you to connect windows into groups horizontally and vertically.



Flashing symbol	Window sizes: width x height [cm] Symbol size	55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
H9		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KYSH		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KXPH9		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KXSH9		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KXLH9		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KZPH		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KZSH		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KZLH		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

MOST POPULAR KOMBI FLASHINGS

Flashing symbol	Window sizes: width x height [cm] Symbol size	55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
FLASHING FOR HIGH PROFILED ROOFING MATERIAL to 9 cm	KX2H9		KXPH9+KXLH9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KY2H9		KYSH+H9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KZ4H9		KZPH+KZLH +KXPH9+KXLH9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FLASHING FOR FLAT ROOFING MATERIAL	KX2P		KXPP+KXLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KY2P		KYS+P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KZ4P		KZP+KZL +KXPP+KXLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FLASHING FOR HIGH PROFILED ROOFING MATERIAL to 12 cm	KX2H12		KXPH12+KXLH12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KY2H12		KYSH+H12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KZ4H12		KZPH+KZLH +KXPH12+KXLH12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FLASHING FOR SLATES	KX2L		KXPL+KXLL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KY2L		KYSL+L	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KZ4L		KZPL+KZLL +KXPL+KXLL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FLASHING FOR PLAIN TILES	KX2LH		KXPLH+KXLLH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KY2LH		KYSLH+LH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	KZ4LH		KZPLH+KZLLH +KXPLH+KXLLH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Installation / insulation accessories

VAPOR-PERMEABLE COLLAR AKP

Product benefits:

- ✓ the collar protects the carpentry against moisture
- ✓ it is made of a highly permeable roof membrane
- ✓ enables the correct connection of the window with the vapor-permeable foil
- ✓ foil with a thickness of 0.7 mm
- ✓ basis weight 150 g / mt
- ✓ fire resistance - class E
- ✓ flexibility at low temperature of -40oC
- ✓ Sd coefficient: 0.02 m



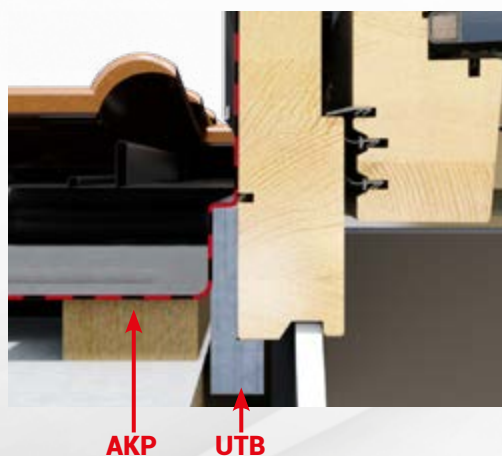
UTB FOILING FOAM

Product benefits:

- ✓ reduction of heat loss around the window frame
- ✓ fills the gap between the window frame and the roof structure
- ✓ prevents the formation of thermal bridges by insulating the roof window



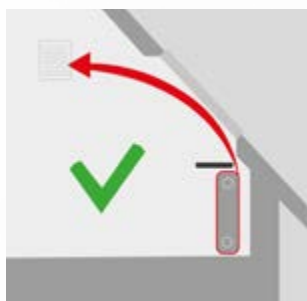
**UTB + AKP
=
WARM
INSTALLATION**



Sizes:

Type	Window sizes: width x height [cm] Symbol size	55x78 01	55x98 02	66x98 03	66x118 04	66x140 15	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	94x160 14	114x118 10	114x140 11	134x98 12
AKP	VAPOR-PERMEABLE COLLAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UTB	FOILING FOAM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Installation tips



Installation of heat sources

Heat sources should be installed under the window to avoid formation of thermal blocks, evaporation windows and condensation.

Additional elements of interior design

The window sill should be placed that way to not block free air flow under the window.

Finishing the window recess

To ensure good air circulation and maximum light, the window recess should be finished vertically under the window and horizontally above it.



Do you have questions about installing windows?

Call us and get
**professional
technical assistance**

+48 600 408 698

email: service@okpol.com

Our specialists work on working days
Monday to Friday from 7⁰⁰ am to 3⁰⁰ pm (GMT+1)

Flat roof windows

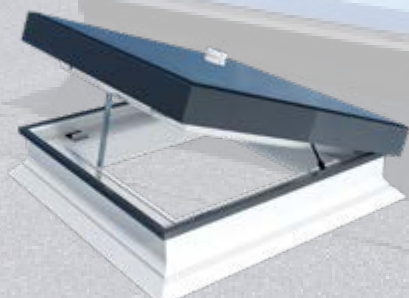
Flat roof windows are very well-designed solution for newly built houses with a flat roof and for the renovation of houses from 70's. Profiles are made of PVC - resistant to influence of weather conditions and maintenance-free. The window is intended for rooms with high humidity, such as kitchen, bathroom or laundry room. Safety highest level is ensured by toughened outer pane and inter-pane laminated.

Flat roof windows provide a unique and effective lighting, adding the interiors original, while maintaining the high thermal performance.

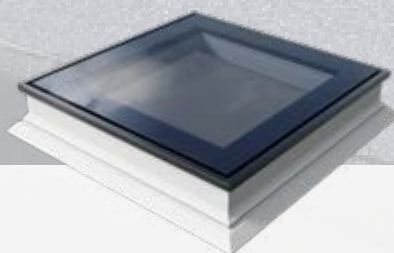
You can choose from non-opening, opening, equipped with LED strip or intelligent pane windows, as well as windows on which you can walk freely.

Full range of flat roof windows is available in separate catalog.

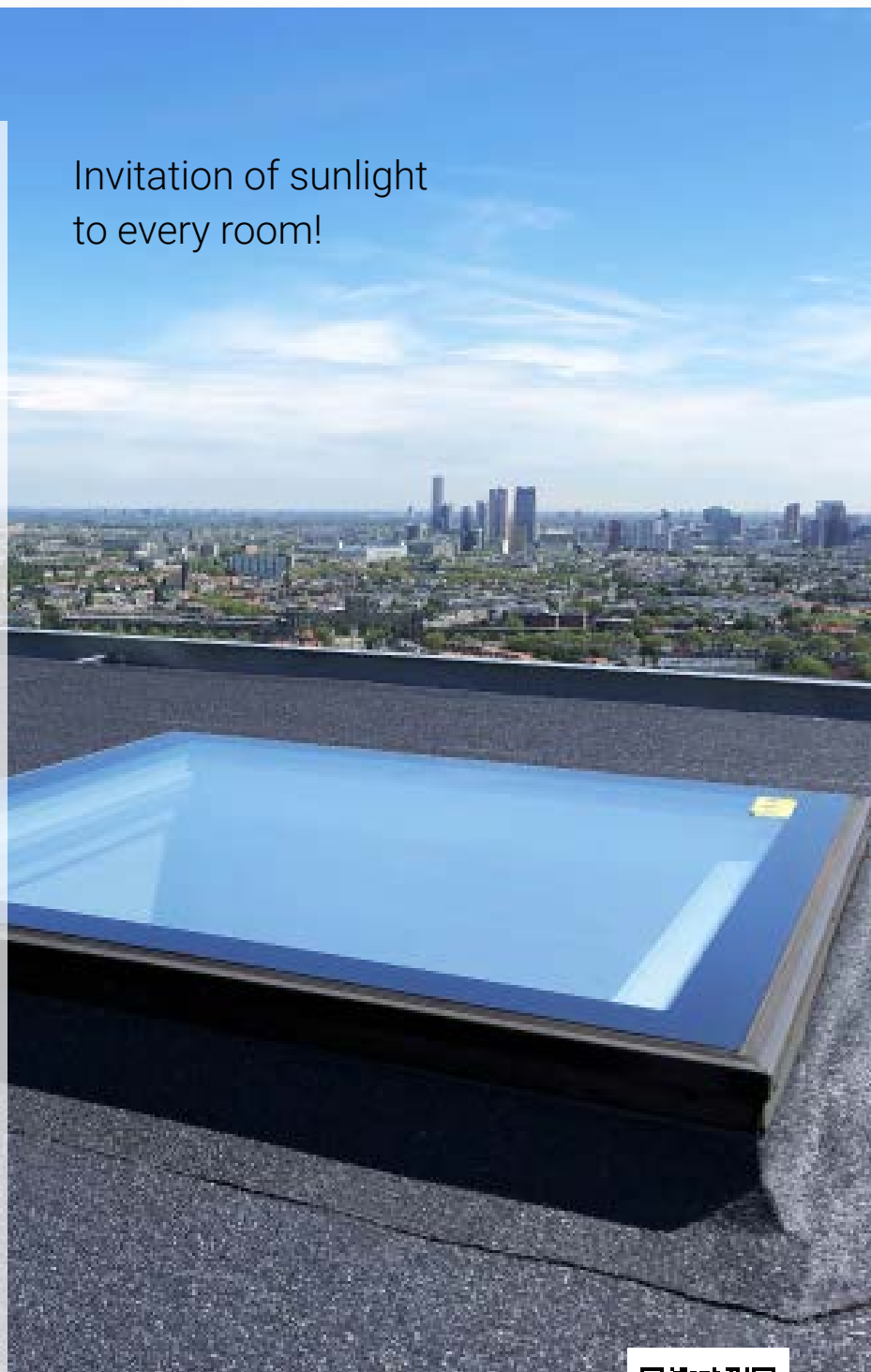
Invitation of sunlight
to every room!



Openable window



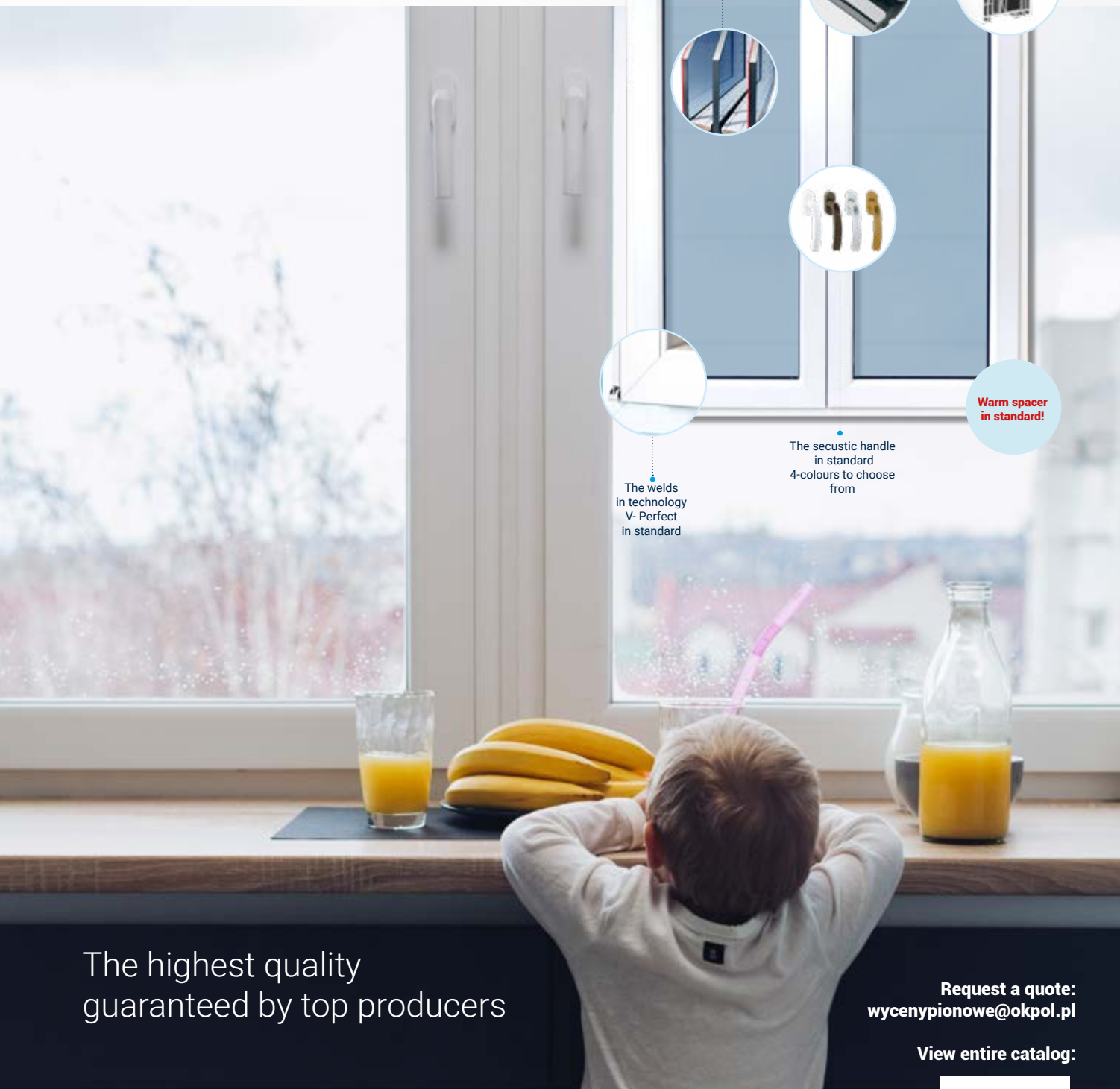
Fixed window



Check our offer
in the flat roof windows
catalog
on www.okpol.com



Facade windows



The highest quality
guaranteed by top producers

Request a quote:
wycenypionowe@okpol.pl

View entire catalog:



KÖMMERLING®



Interior accessories

MULTISTOP roller blind

D37



Silver rails (aluminium)

D37W



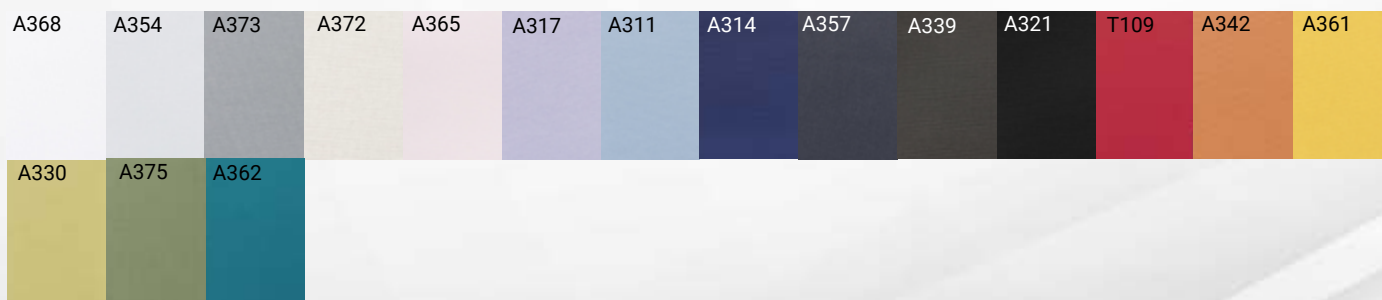
White rails

Product features and benefits:

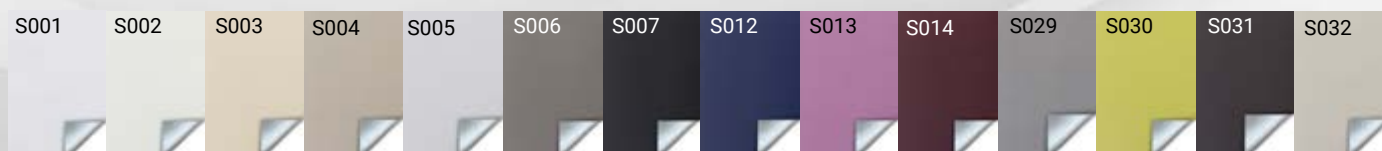
- ✓ Manual operation by using the bottom bar.
- ✓ Smooth control of the amount of incoming light into the room - there is a possibility of stop the roller blind in any place.
- ✓ Equipped with side rails ensuring a perfect shade in a room.
- ✓ Blackout fabric is secured against falling out of the rails thanks to the special fabric rail.
- ✓ Bottom bar with a brush ensures the isolation of the light and air flow between the glass and roller blind.
- ✓ Air circulation increases life of the roller blind.
- ✓ Fabric of the roll up roller blind is isolated from the glass by back cover. It reduces temperature preventing the effect of the UV radiation on the fabric

Fabric colours for Multistop, Decomatic and Classic:

Translucent fabric



Blackout fabric



DECOMATIC roller blind

D33



Beige plastic elements

D33W



White plastic elements

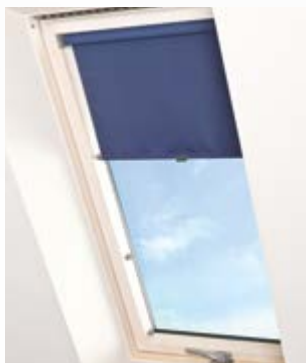
Product features and benefits:

- ✓ Manual operation
- ✓ Equipped with 3 pairs of hooks on both sides of sash which make possible to stop the roller blind in the position You want to
- ✓ Possibility of gradual control of the amount of incoming light into the room
- ✓ The rolling mechanism of the roller blind is covered with an aluminum silver batten
- ✓ Intuitive installation and easy operation
- ✓ Aesthetic finish

The fabric is narrower than a window.

CLASSIC roller blind

D12



Beige plastic elements

D12W

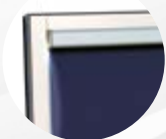


White plastic elements

Product features and benefits:

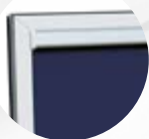
- ✓ Manual operation
- ✓ Equipped with 3 pairs of hooks on both sides of sash
- ✓ Possibility of gradual control of the amount of incoming light into the room
- ✓ Choice of the fabric and colour of the roller blind
- ✓ Possibility of buying batten
- ✓ Intuitive installation and easy operation
- ✓ Aesthetic finish
- ✓ There is a possibility of buying batten which
- ✓ Covers the rolling mechanism of the roller blind

BL



Silver colour

BLW



White colour

Insect screen AMO



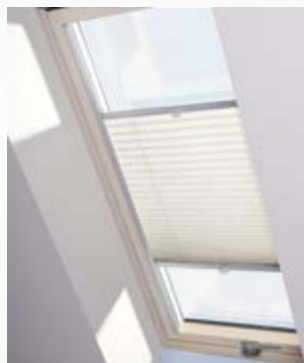
Insect screen AMO was designed to ensure safety and protection against insects or spiders. It is reliable even in the kitchen which often invites the insects using different smells. In the bedroom makes possible the calm sleep especially when it comes to the youngest.

Product features and benefits:

- ✓ Manual operation using lower batten
- ✓ Fabric has a net structure and black colour
- ✓ 100% room protection against insects when the window is open
- ✓ White rails have standard length of 2m, what allows to suit them to the size of the window by your own
- ✓ Rolling mechanism is equipped with the brake which makes smooth rolling of the mesh to the aluminium case
- ✓ Installed to the recess window

PLEATED roller blind

P40T



Silver rails (aluminium)

P40TW



White rails

Product features and benefits:

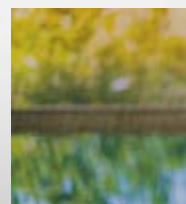
- ✓ Manual operation using lower and upper batten
- ✓ Equipped with side rails
- ✓ Smooth control of the amount of incoming light into the room - there is a possibility of stop the roller blind in any place
- ✓ Waterproof, antistatic material resistant to crease

Translucent fabric

C01	C02	C05	C06	C08	C10	C11	C13	C14	C15	C16
S02	S04	S05	S06	S07	S09	S10	S11	S15	S16	S17
S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28



The full range of roof window accessories is available in a separate catalog!



External accessories

Awning blind

AMW



In AMW model, mechanism of the awning blind is hidden in the upper part of sheet metal inside the construction of the window.

AMZ / AMZ1



Awning blinds AMZ and AMZ1 are installed on the external part of the sheet metal

Product features and benefits:

The exterior awning is the most effective method of reducing glass overheating, especially in summer. Effectively absorbs light - as much as 89%, it allows only 7% of sunlight to pass through!

External roller shutter

RZE / RZE1



Roller shutter electric

RZE - adapted for switch control
RZE1 - adapted for remote control

RZS1

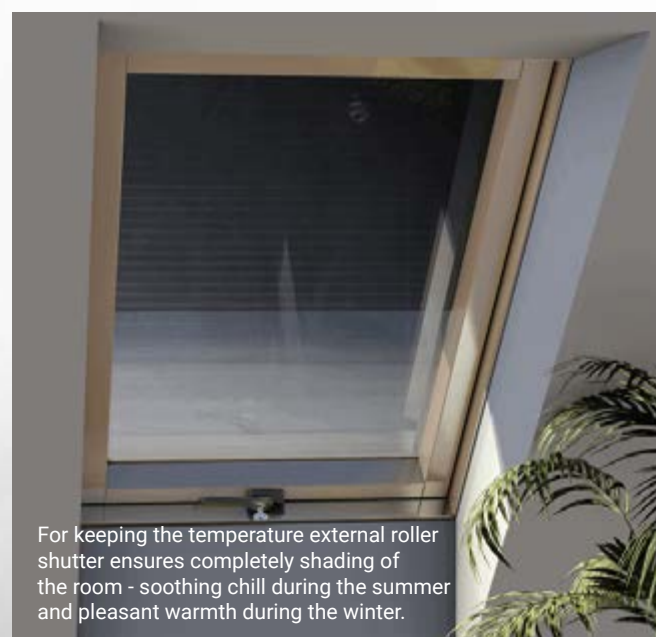


Roller shutter solar

RZS1 - adapted for remote control

Product features and benefits:

External blinds completely shade the interior. In summer, they protect attic from excessive sunlight and heating the rooms. In winter, they provide additional protection against heat loss. They effectively isolate from outside noise.



Operating details available in Accessories catalog



Prices and sizes of accessories

Symbol size	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
P40T/P40T W	<div> <div>PLEATED BLIND</div> <div>translucent fabric</div> </div>														
D37T/D37T W															
D37Z/D37Z W															
D33T/D33T W															
D33Z/D33Z W															
D12T/ D12T W															
D12Z/ D12Z W															
BL/ BLW															
AMO															
AMW/AMZ															
RZE	<div> <div>EXTERNAL ROLLER SHUTTER</div> <div>ELECTRIC</div> <div>230V adapted for switch control</div> </div>														
RZE1															
RZS1															
R1															
R5	<div> <div>REMOTE CONTROL 5-channel</div> <div>RZE1 ROLLER SHUTTER</div> <div>CONTROL</div> </div>														
R60															
RS1															
RS5															
BR	<div> <div>BR - window sash blockade</div> <div>for use in windows (with an external</div> <div>roller shutter installed)</div> <div>from height of 118cm.</div> </div>														
ADO															

To get the price list please contact
our Export Department

WINDOWS WITHOUT A VENTILATOR

There is a possibility to order windows without a ventilator (no extra payment)



PRICELIST

3-GLAZED WINDOWS

		Model/symbol	Uw [W/m²K]	Window features	Window sizes: width x height [cm]															
					55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12	
WOODEN WINDOWS	CENTRE-PIVOT	ISOV I2	0,91	toughened pane, 2x warm spacer, gas - cypron Ug=0,5 W/m²K																
		ISOV I22	1,06	toughened pane, 2x warm spacer, gas - argon Ug=0,7 W/m²K																
		ISOV I7	1,06	toughened pane, 2x warm spacer, gas - argon, self-cleaning, Ug=0,7 W/m²K																
		ISOV I25	1,06	toughened pane, 2x warm spacer, gas - argon, P2A, Ug=0,7 W/m²K																
	ELECTRIC	ISC1 I22 electric, operated by remote control	1,06	toughened pane, 2x warm spacer, gas - argon Ug=0,7 W/m²K																
		ISC2 I22 electric, operated by switch	1,06	toughened pane, 2x warm spacer, gas - argon Ug=0,7 W/m²K																
	TOP-HUNG	ISKV I4	0,91	toughened pane, 2x warm spacer, gas - crypton, self-cleaning, Ug=0,5 W/m²K																

3-GLAZED WINDOWS

PVC WINDOWS	CENTRE PIVOT	IGOV N22	0,83	toughened pane, 2x warm spacer, gas - argon Ug=0,5 W/m²K	
		IGOV N23	0,83	toughened pane, 2x warm spacer, gas - argon, P2A, Ug=0,5 W/m²K	
		IGOV N24	0,83	toughened pane, 2x warm spacer, gas - argon, self-cleaning, Ug=0,5 W/m²K	
	ELECTRIC	IGC1V I22 electric, operated by remote control	1,0	toughened pane, 2x warm spacer, gas - argon Ug=0,7 W/m²K	
		IGC2V I22 electric, operated by switch	1,0	toughened pane, 2x warm spacer, gas - argon Ug=0,7 W/m²K	
	TOP-HUNG	IGKV N22	0,83	toughened pane, 2x warm spacer, gas - argon Ug=0,5 W/m²K	

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4-GLAZED WINDOWS

PVC EPDM	FIX NON-OPENING	IGX F1 RESET with RESET flashing + AKP	0,79	toughened pane, 2x warm spacer, gas - argon Ug=0,5 W/m²K	
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2-GLAZED WINDOWS

WOODEN WINDOWS	CENTRE PIVOT	ISOV E2	1,2	toughened pane, warm spacer, gas - argon Ug=1,0 W/m²K	
		IGOV E2	1,2	toughened pane, warm spacer, gas - argon Ug=1,0 W/m²K	
PVC WOODEN WINDOWS	TOP - HUNG	ISKV E2	1,3	toughened pane, warm spacer, gas - argon Ug=1,0 W/m²K	
		IGKV E2	1,2	toughened pane, warm spacer, gas - argon Ug=1,0 W/m²K	

toughened pane, 2x
warm spacer, gas - argon, P2A,
Ug=0,5 W/m²K

2-GLAZED SKYLIGHTS

	Model/ symbol	Współ- czynnik Uw [W/m²K]	Wyposażenie	Pakiet szybowy	Window sizes: width x height [cm]						
					47×57	47×73	86×86	55×78	55×98	66×98	78×98
WOOD	WVD+	-	integrated universal and vapour permeable underfelt AKP collar, opening restrictor, threshold, gutter, sealing wedges, handle blocking sash in 3 positions	double-glazed with toughened external pane							
	WVM+	-	integrated universal and vapour permeable underfelt AKP collar, opening restrictor, threshold, gutter, sealing wedges, sash locking handle in 3 positions	double-glazed with toughened external pane							
	ISWX+ E2	1,2	vapour permeable underfelt AKP collar, hydraulic cylinders that help to open the sash smoothly, handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K							
	ISWX E2	1,2	handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K							
PVC	IGWX+ E2	1,2	vapour permeable underfelt AKP collar, hydraulic cylinders that help to open the sash smoothly, handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K							
	IGWX E2	1,2	handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K							

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3-GLAZED SKYLIGHTS

WOOD	ISWX I22	1,06	hydraulic cylinders that help to open the sash smoothly, handle with a key lock	triple-glazed with toughened external pane, 2x warm spacer, gas - argon, Ug=0,7 W/m²K
PVC	IGWX N22	0,83	hydraulic cylinders that help to open the sash smoothly, handle with a key lock	triple-glazed with toughened external pane, 2x warm spacer, gas - argon, Ug=0,5 W/m²K

RESET SKYLIGHTS

PVC-EPDM	WVR V6	-	integrated with EPDM flashing, opening limiter, threshold, gutter, EPDM sealing wedges, handle blocking sash in 3 positions	double-glazed with toughened external pane
	WVR V8	-	integrated with EPDM flashing, opening limiter, threshold, gutter, EPDM sealing wedges, handle blocking sash in 3 positions	triple-glazed with toughened external pane, P2A class

SEILING FLASHINGS

Flashing symbol	Aim	Window sizes: width x height [cm]														
		55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
H9	flat and profiled roofing materials up to 9 cm high															
H12	flat and profiled roofing materials up to 12 cm high															
P	flat roofing materials up to 1 cm high (such as roofing felt or roof shingle)															
L	slates up to 1 cm high															
LH	plain tiles from 2,4 to 3,2 (2x1,2 to 1,6 cm) high															
R	metal standing seam															
BPH	panel sheet															
D	flat tiles up to 4 cm high															
UKS UKG	universal flashing for roof windows connected with L-shaped	UKS for wooden windows		UKG for PVC windows												

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ADDITIONAL PAYMENT FOR PAINTING THE WOODWORK (WHITE):

Product	Window sizes: width x height [cm]														
	55×78 01	55×98 02	66×98 03	66×118 04	66×140 15	78×98 05	78×118 06	78×140 07	78×160 13	94×118 08	94×140 09	94×160 14	114×118 10	114×140 11	134×98 12
sash + frame white RAL 9003															



The surcharge for painting the flashing (colors from the ral palette) is priced individually.

Non-standard orders are implemented after consultation with the Technical and Commercial Advisor or the Customer Service Office.

Broaden your
perspectives with us!

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