



Roof windows and skylights

Product catalogue 2023



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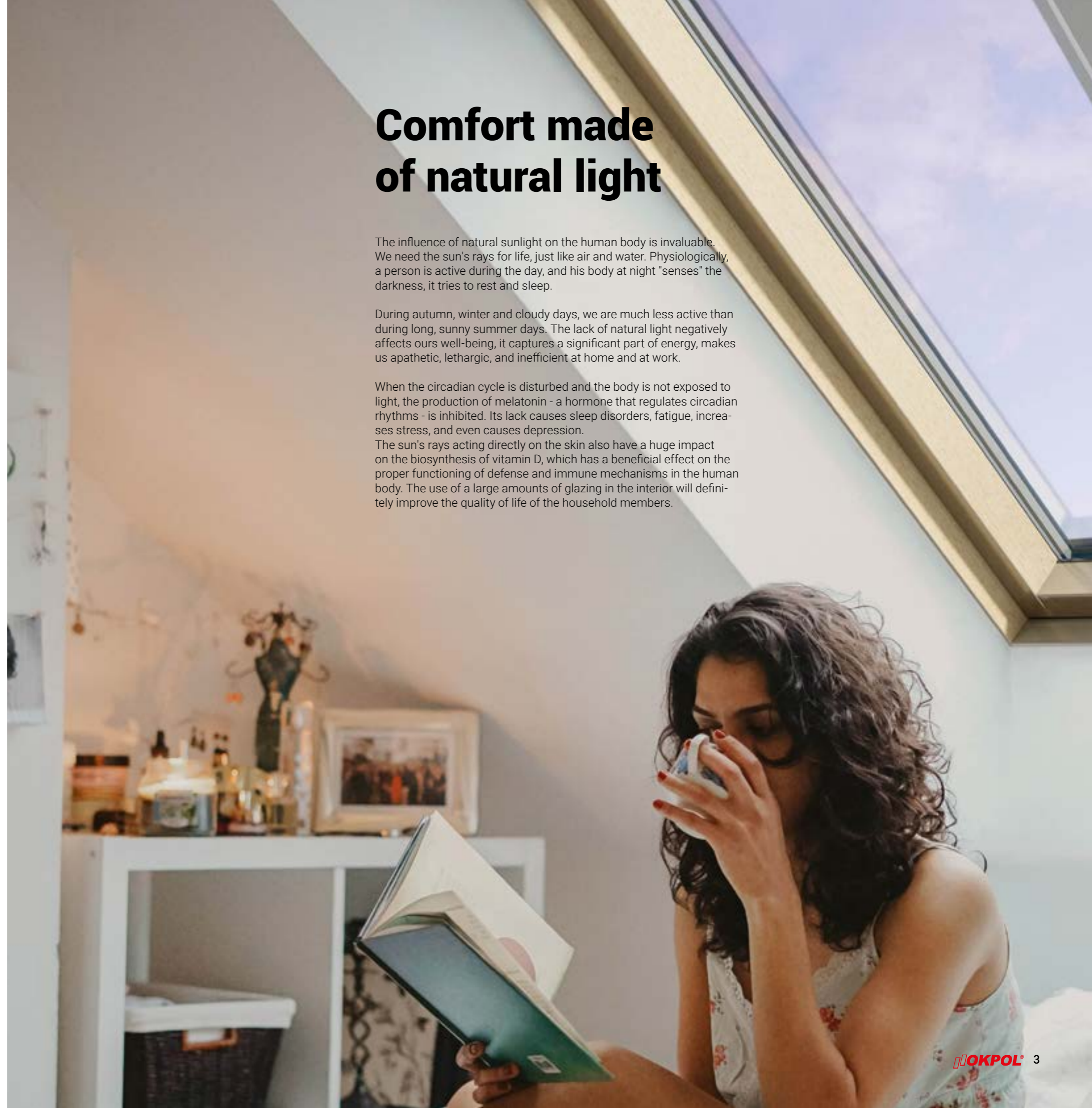
Comfort made of natural light

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.



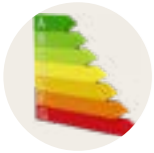


Polish company - world's quality



Comfortable durability for years

OKPOL roof windows are made of the highest quality materials. We ensure that the aesthetics of our products will be durable, and the workmanship will ensure comfort of use for many years.



Energy-saving

The windows are manufactured in the modern SuperThermo technology, with a better thermal parameter for the entire window, without the need to use additional thermal blocks. This solution will allow owners of OKPOL windows to enjoy a warm and cozy attic.



Tightness

In our windows you will find 4 gaskets, including the highest quality Q-LON gasket. It has very good re-expansion properties (returns to its original shape after deformation) and provides excellent performance at high and low temperatures.



Guarantee of quality

We are proud of the quality we offer, we want you to feel safe and confident with our products, which is why our windows and skylights are covered by a long warranty. Detailed warranty conditions can be found on our website www.okpol.pl.



Fresh air supply

Ventilation of living spaces is essential, especially during the heating season. In all our windows, a modern NEO VENT air inlet is installed as standard. It ensures constant supply of air for comfort and safety of the household members.



Efficient installation

Angle bars are added to the windows, which are mounted to the profile in factory-prepared notches. They effectively improve and speed up window installation.

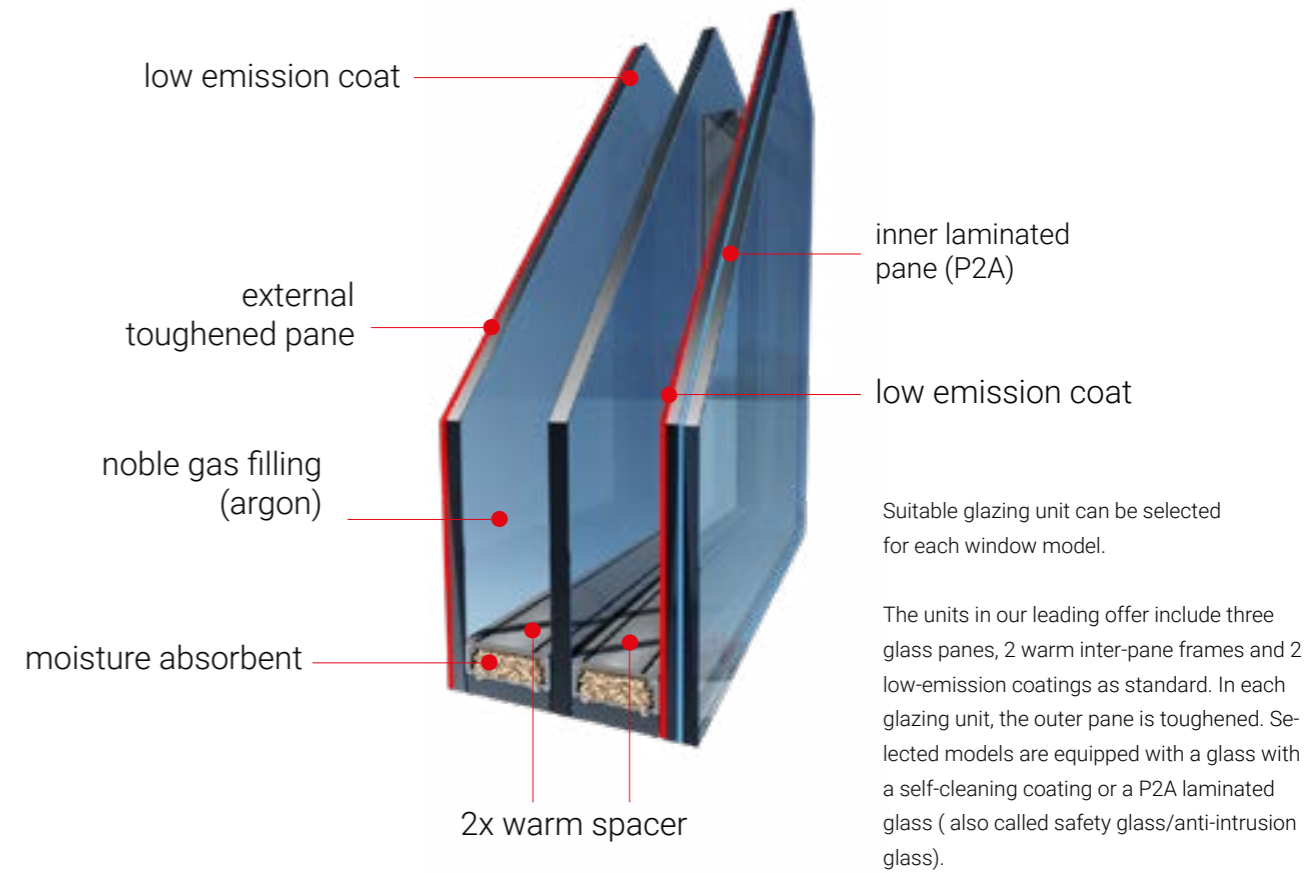


Functionality and safety

The ergonomic handle is located in the lower part of the sash. The key increases safety if children want to open the window. Handle enables micro-opening of the sash, allowing for additional ventilation of the room.



Glazing units



		4-GLAZING UNIT 56 mm	3-GLAZING UNIT 48 mm		3-GLAZING UNIT 36 mm	2-GLAZING UNIT 24 mm
GLAZING UNITS CROSS-SECTION	GLAZING UNIT STRUCTURE	6H/18/4TH/20/44.2T	4TH/18/4/18/4T	4TH/18/4/16/33.2T	4TH/12/4/12/4T	4H/12/4TH/10/33.2T
	GLAZING UNIT SYMBOL	F1	N22	N23	I22	I25
U VALUE OF GLAZING Ug (W/m²K)		0,5	0,5	0,5	0,7	0,7
GAS		Argon	Argon	Argon	Argon	Argon
WARM SPACER		2	2	2	2	2
LOW EMISSION COAT		2	2	2	2	2
TOUGHENED PANE		2	1	1	1	2
LAMINATED INNER PANE		klasa P2A	-	klasa P2A	-	klasa P2A

Choose optimal window in 4 steps:

1

Select number of windows

The size of the suggested glazing in the room is expressed by measuring the ratio of the glazing size to the floor area. In the place where people are, it should be 1:8, 1:12 and in other rooms. That is, the larger the interior, the greater the number of windows should be. Calculate the suggested glazing area using a simple formula (see right).

$$\frac{Xm^2}{8} = \text{suggested glazing surface in m}^2$$

X - size of your room (floor) in m²

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 tables on each page of the catalog. For the given example, two windows with dimensions of 78 × 140 or more smaller models will be suitable.

2

Selection of the window due to the roof pitch

When choosing a roof window, you should pay attention to the angle of inclination of the roof pitch. The lower the angle, the higher the window should be.



3

Selection of the type of windows to the type of room

If the room where you want to install roof windows is a bedroom, living room or hallway, you can choose wooden windows. They will add warmth and natural expression to the interior. In the case of rooms with increased humidity, you should consider purchasing moisture-resistant windows, made of PVC.



4

Selection of an energy-saving solution

OKPOL triple-glazed windows are designed to flow positively on the heat balance of your attic. Energy-saving windows save heating costs and have a positive impact on the environment. Parameter Uw - heat transfer coefficient of windows. Given for reference sizes 1.23 (±25%)m x 1.48 (-25%)m, calculations according to EN ISO 10077-1 / EN ISO 10077-2 standards. Parameter Ug - heat transfer coefficient of the glass.

The lower the parameters, the more energy efficient the window is.

Uw
Ug

Window sizes

WIDTH OF THE WINDOW

cm	55	66	78	94	114	134
HEIGHT OF THE WINDOW	ISOV IGOV 01 0,20 m ²					
78						
98	ISOV IGOV ISKV IGKV IGCV2 02 0,27 m ²	ISOV IGOV ISKV IGKV IGCV1/IGCV2 03 0,36 m ²	ISOV IGOV ISKV IGKV ISC1/ISC2 IGCV1/IGCV2 05 0,45 m ²			ISOV IGOV ISC1/ISC2 12 0,88 m ²
118		ISOV IGOV ISKV IGKV IGCV1/IGCV2 04 0,45 m ²	ISOV IGOV ISKV IGKV ISC1/ISC2 IGCV1/IGCV2 06 0,56 m ²	ISOV IGOV ISKV IGKV ISC1/ISC2 IGCV1/IGCV2 08 0,71 m ²	ISOV IGOV ISKV IGKV ISC1/ISC2 IGCV1/IGCV2 10 0,91 m ²	
140		ISOV IGOV ISKV IGKV IGCV1/IGCV2 15 0,55 m ²	ISOV IGOV ISKV IGKV ISC1/ISC2 IGCV1/IGCV2 07 0,70 m ²	ISOV IGOV ISC1/ISC2 09 0,89 m ²	ISOV IGOV ISC1/ISC2 11 1,12 m ²	
160			ISOV IGOV ISC1/ISC2 13 0,81 m ²	ISOV IGOV ISC1/ISC2 14 0,81 m ²		

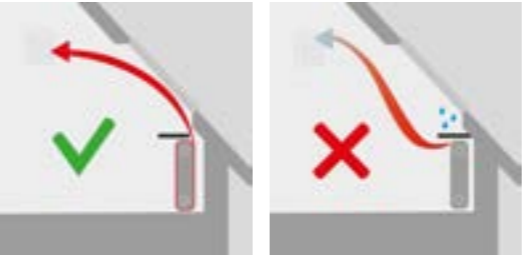
ISOV - window model
01 - size symbol
0.20 m² - glazing area

Internal machining and window surroundings



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.



Parameters table of OKPOL roof windows

		4-glazed PVC with EPDM	3-glazed windows WOOD			
MODEL/SYMBOL						
	FIX		centre-pivot	centre-pivot	top-hung	electric
	IGX F1 RESET*		ISOV I22	ISOV I25	ISKV I22	ISC1 I22 ISC2 I22
	PROFILE					
	U-VALUE U _w (W/m²K)	0,79	1,06	1,06	1,06	1,06
	SOLID+ CARPENTRY	✓	✓	✓	✓	✓
	NEO VENT VENTILATION	-	✓	✓	✓	-
	TRIPLE PAINTING ON CARPENTRY	-	✓	✓	✓	✓
	GLAZING TYPE	F1	I22	I25	I22	I22
	NUMBER OF GASKETS	-	4	4	4	4
ROOF PITCH		5-90°	15-90°	15-90°	15-65°	15-90°
CATALOGUE PAGE		37-35	12-13	12-13	14-15	16-17

		3-glazed windows PVC			
MODEL/SYMBOL					
	centre-pivot	centre-pivot	top-hung	electric	
	IGOV N22	IGOV N23	IGKV N22	IGC1V I22 IGC2V I22	
	PROFILE				
	U-VALUE U _w (W/m²K)	0,83	0,83	0,83	1,0
	SOLID+ CARPENTRY	✓	✓	✓	✓
	NEO VENT VENTILATION	✓	✓	✓	✓
	TRIPLE PAINTING ON CARPENTRY	-	-	-	-
	GLAZING TYPE	N22	N23	N22	I22
	NUMBER OF GASKETS	4	4	4	4
ROOF PITCH		15-90°	15-90°	15-65°	15-90°
CATALOGUE PAGE		22-23	22-23	24-25	26-27

		3-glazed windows WOOD PVC			
					
	centre-pivot	top-hung	centre-pivot	top-hung	
	ISOV E2	ISKV E2	IGOV E2	IGKV E2	
					
	1,2	1,3	1,2	1,2	
	✓	✓	✓	✓	
	✓	✓	✓	✓	
	✓	✓	-	-	
	E2	E2	E2	E2	
	4	4	4	4	
ROOF PITCH		15-90°	15-65°	15-90°	15-65°
CATALOGUE PAGE		30	31	30	31

Catalogue icons:



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



roof pitch



electric motor 230V controlled by the AP4 remote control electric motor 230V controlled by AWN switch



rain detector



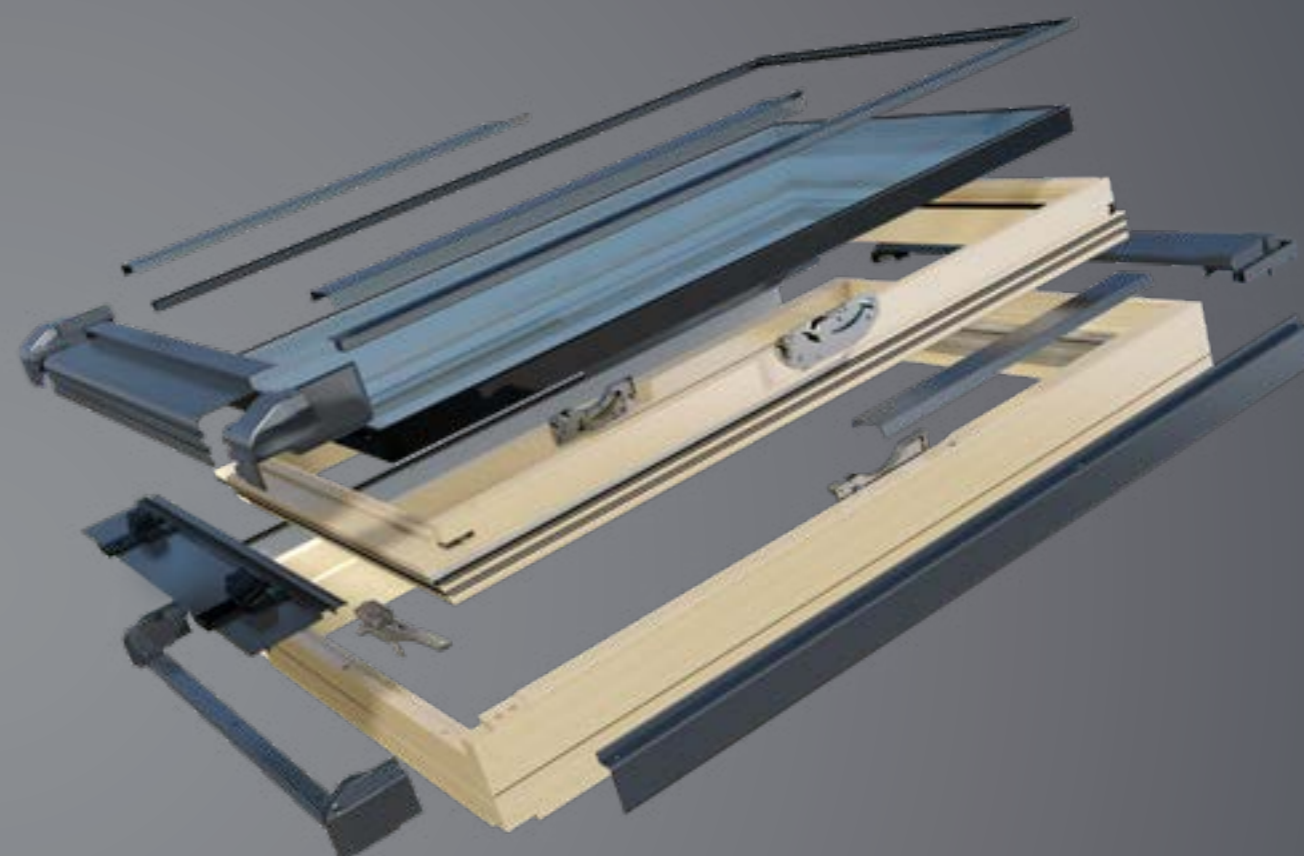
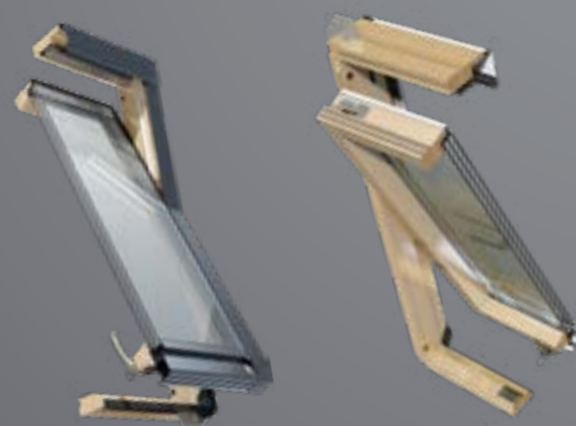
comfortable positioning of the sash for cleaning the outer pane

Warm
Durable
Tight

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.



3-GLAZED WOODEN ROOF WINDOWS

3-glazed wooden
centre-pivot window

ISOV



3-glazed wooden centre-pivot window ISOV I22 / ISOV 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 7016
- ✓ 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



Glazing unit:

Glass model	I22	I25
U - value of glass	Ug = 0,7 W/m²K	Ug = 0,7 W/m²K
Gas	Argon	Argon
Properties of the glass	-	safe glass P2A class
	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 I22	ISOV I25
Uw [W/m²K]	1,06	1,06

Available sizes:

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
ISOV I22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISOV I25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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°.

Accessories
for full comfort
in the attic



Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

3-glazed wooden
top-hung window

ISKV



3-glazed wooden top-hung window ISKV 122

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 7016
- ✓ 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



Glazing unit:

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

Energy-saving:

U - value of window	
Window model	ISKV I22
Uw [W/m²K]	1,06

Available sizes:

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 I22		✓	✓	✓	✓	✓	✓	✓		✓				✓	
Sash opening angle in ISKV I22 window		57°	57°	59°	62°	57°	59°	62°		59°				59°	

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.

Accessories
for full comfort
in the attic

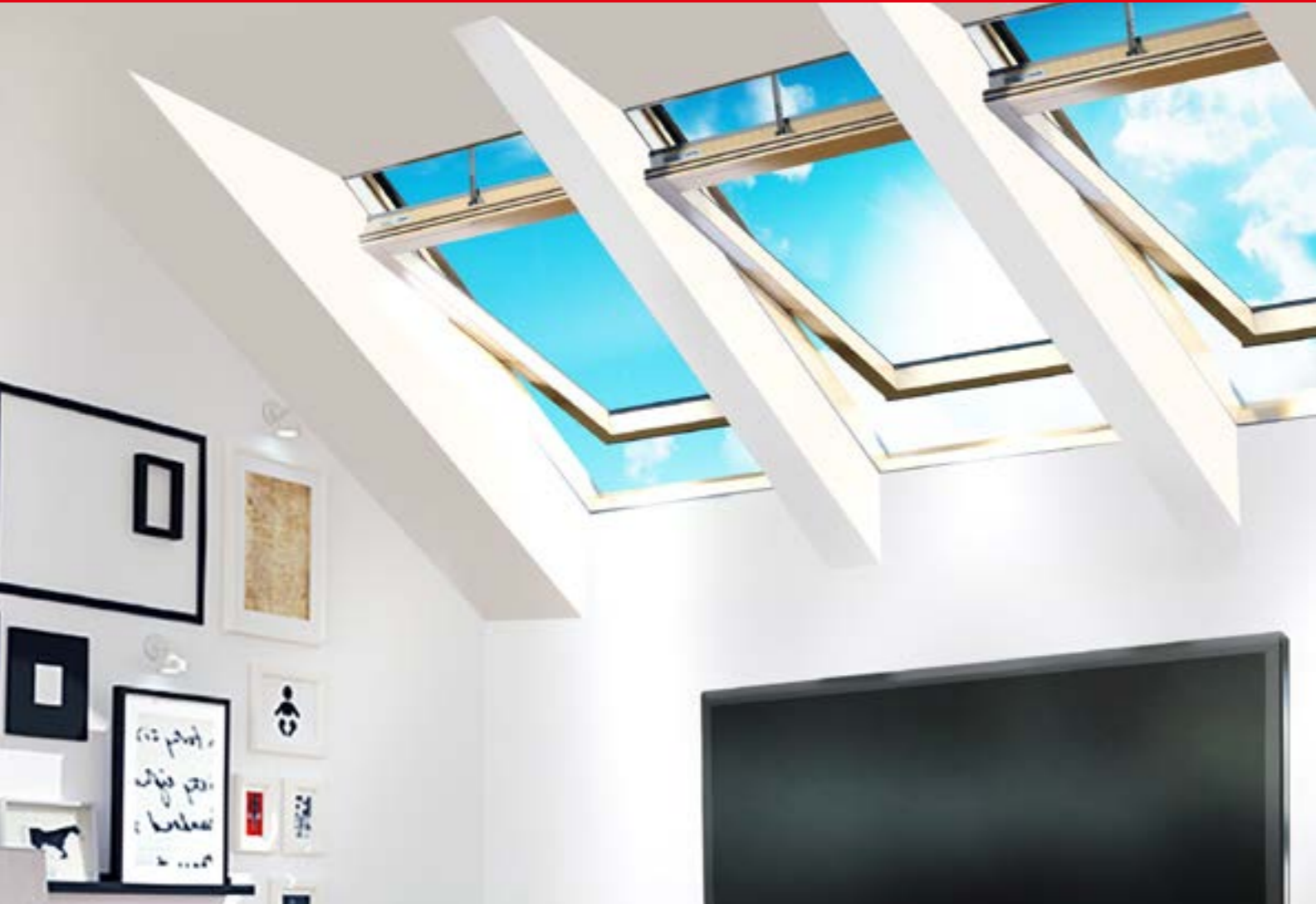


Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

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.

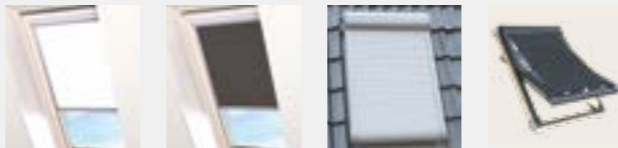
3-glazed wooden
centre-pivot electrical window

ISC



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.

Accessories
for full comfort
in the attic



Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

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
- ✓ window is extremely tight thanks to 4 seals
- ✓ color of the flashing - RAL 7016
- ✓ 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



Glazing unit:

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

Energy-saving:

Window model	U - value of window	
	ISC1 I22	ISC2 I22
Uw [W/m²K]	1,06	1,06

Control:

AP4 remote control in ISC1	AWN switch in ISC2
	

Available sizes:

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
ISC1 I22 electric motor 230V remote control AP4						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISC2 I22 electric motor 230V AWN switch			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3-glazed wooden
L-shaped window

IKD



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 7016
- ✓ 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

IKDN FIP I22 FIXED



IKDU I22 TILT



Glazing unit:

Glass model	I22
U - value of glass	Ug = 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
Uw [W/m²K]	1,06

Available sizes:

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	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓		✓	✓

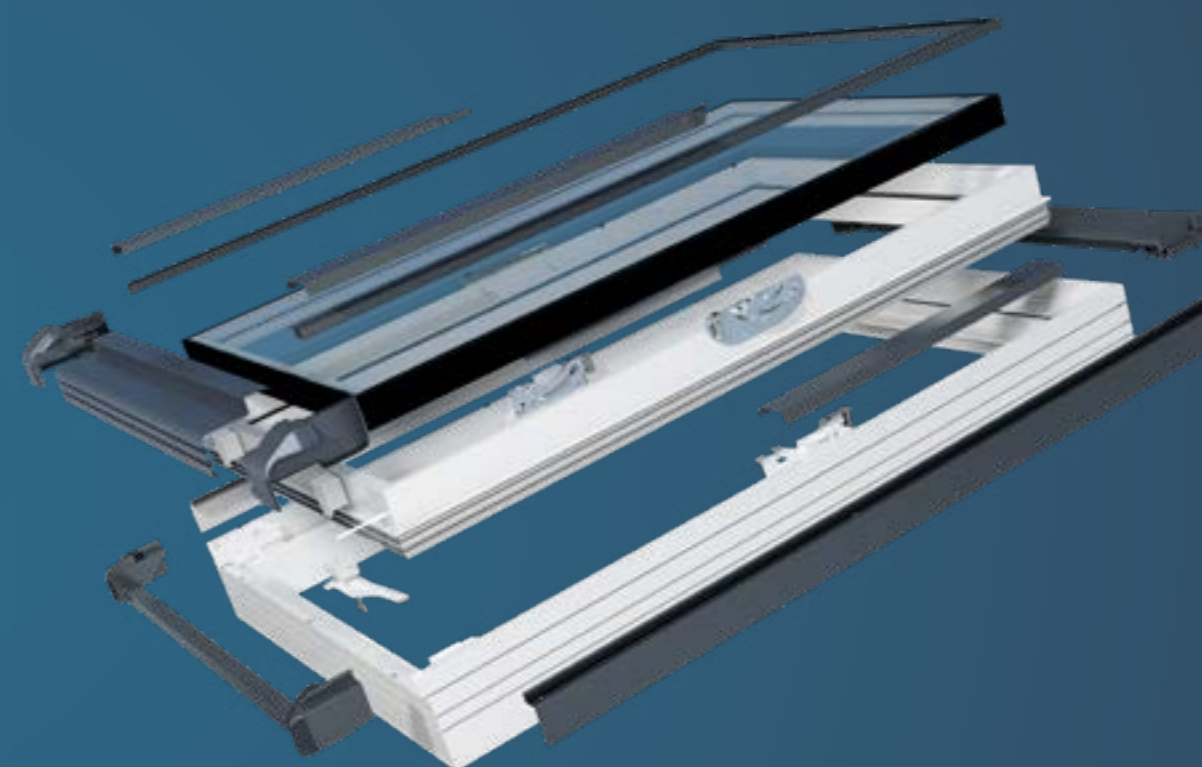
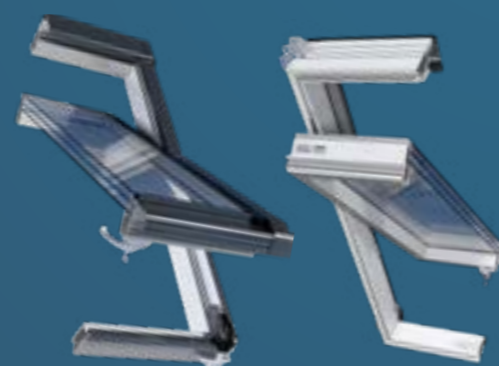
L-shaped window is a designer's way of creating a bright and spacious arrangement of an attic. Its unconventional construction uses a large glazed area to illuminate the interior with natural light. It positively affects the interior design and looks very attractive both from the inside and outside. These windows are designed for rooms with knee walls. They were created with the idea of combining the advantages of a roof window with a facade window, and an amazing effect is achieved by grouping them in blocks (so-called combination installation - two or more windows next to each other). The specific construction of the L-shaped window allows for opening the sash, which provides better ventilation of the room.

Resistant
Solid
Energy-saving

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 insulating material.



3-GLAZED PVC WINDOW

3-glazed PVC
centre-pivot window

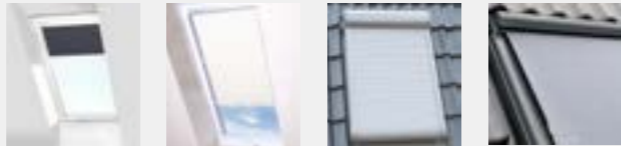
IGOV



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 48 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°.

Accessories
for full comfort
in the attic



Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

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

Product features and benefits:

- ✓ energy-saving window with joinery made of multi-chamber PVC profiles
- ✓ profile chambers are filled with insulating material 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 7016
- ✓ 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



Glazing unit:

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

Energy-saving:

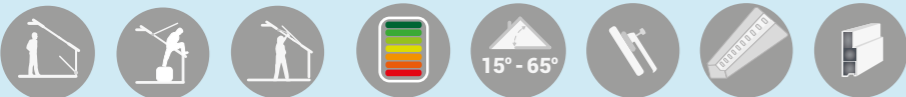
U - value of window with selected glazing unit		
Window model	IGOV N22	IGOV N23
Uw [W/m²K]	0,83	0,83

Available sizes:

Glazing area [m²]	0.20	0.27	0.36	0.45	0.55	0.45	0.55	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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

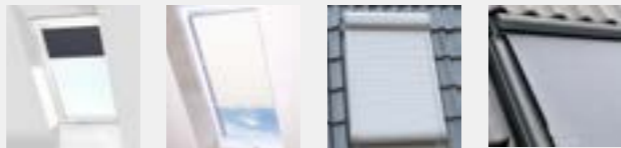
3-glazed PVC
top-hung window

IGKV



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° angle and 62° 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.

Accessories
for full comfort
in the attic



Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

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 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 7016
- ✓ 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



Sliding function - moving the sash and turning it with the outer pane towards the room

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 window	
Window model	IGKV N22
Uw [W/m²K]	0,83

Available sizes:

Glazing area [m²] Symbol size Window sizes: width x height [cm]	0.20 01 55×78	0.27 02 55×98	0.36 03 66×98	0.45 04 66×118	0.55 15 66×140	0.45 05 78×98	0.56 06 78×118	0.70 07 78×140	0.81 13 78×160	0.71 08 94×118	0.89 09 94×140	1.04 14 94×160	0.91 10 114×118	1.12 11 114×140	0.88 12 134×98
	IGKV N22	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sash opening angle in IGKV N22 window	57°	57°	59°	62°	57°	59°	62°	59°	62°	59°	62°	59°	62°	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



IGCV 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.

Accessories
for full comfort
in the attic

Decorate the window, darken or cool the interior? Need insect protection? We have everything! See our accessories for roof windows on p. 66-69.

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 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 7016
- ✓ wide range of installation angle 15-90°
- ✓ easy to use window - axis of rotation at the level of 1½ 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 IGC1V model
 - AWN switch on the IGC2V 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



Glazing unit:

Glass model	I22
U - value of glass	Ug = 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
Uw [W/m²K]	1,0	1,0

Control:

AP4 remote control in IGC1V	AWN switch in IGC2V

Available sizes:

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 electric motor 230V remote control AP4			✓	✓	✓	✓	✓	✓		✓					✓
IGC2V I22 electric motor 230V AWN switch		✓	✓	✓	✓	✓	✓	✓		✓					✓

3-glazed PVC
L-shaped window

KPVC

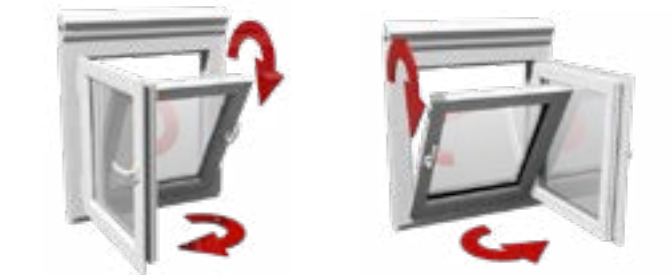
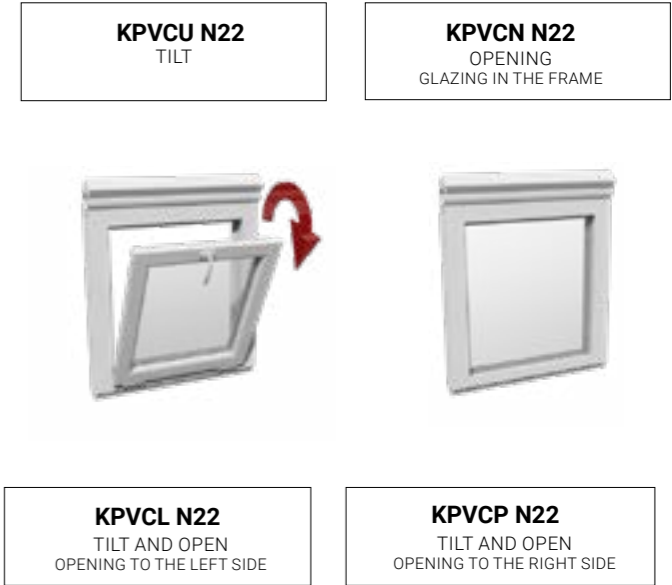


L-shaped windows are designed to combine the advantages of a roof window with a facade window. They provide a lot of sunlight to the interior - the best effect is obtained when grouping them in blocks (combi-installation - two or more windows next to each other). Tilt and turn-tilt versions allow the 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.

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 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 7016
- ✓ 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		Ug = 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
Uw [W/m²K]	0,79	0,79	0,79	0,79

Available sizes:

Window model	Window sizes: width x height [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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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 7016
 - ✓ 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

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	ISOV E2
Uw [W/m²K]	1,2 <i>i</i>

2-glazed top-hung windows

2-glazed wooden top-hung window
ISKV E2



- 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 7016
 - ✓ 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

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 <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 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 7016
 - ✓ 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

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	IGOV E2
Uw [W/m²K]	1,2 <i>i</i>

2-glazed PVC top-hung window
IGKV E2



- Product features and benefits:**
- ✓ window with joinery made of multi-chamber PVC profiles
 - ✓ profile chambers are filled with insulating material 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
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 - ✓ fashionable color of the flashing - RAL 7016
 - ✓ wide range of installation angle 15-65°
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 - ✓ 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

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 <i>i</i>

Available sizes:

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
ISOV E2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IGOV E2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Available sizes:

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 E2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
IGKV E2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Sash opening angle in ISKV E2/IGKV E2 window	57°	57°	59°	62°	57°	59°	62°	62°	59°	62°			59°	62°	

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.



VERSA RESET WVR V8

5^{year}
GUARANTEE
FOR SKYLIGHT

10^{year}
GUARANTEE
FOR WINDOW

Guarantee conditions are available at www.okpol.com

4-glazed PVC window
integrated with EPDM flashing

IGX F1 RESET



Watch test
and installation
movies



IGX F1

One type of EPDM flashing enables:

- Compatibility with most type of the roofs:
 - ✓ flat roofs covering,
 - ✓ high coverings,
 - ✓ slates,
 - ✓ panel sheet
 - ✓ flat tiles coverings.
- For KOMBI sets of RESET line products no additional charge is present.

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 and 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



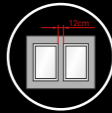
15 min
THE QUICKEST
INSTALLATION



FOR MOST
ROOF COVERINGS



5°-90°
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	Ug = 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
Uw [W/m²K]	0,79

Available sizes:

Glazing area [m²]	
Symbol size	
Window sizes: width x height [cm]	78x98
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.

Roof skylight made of wood - VERSA RESET with EPDM flashing for non-use, unheated rooms

WVR RESET



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



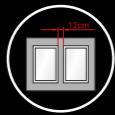
15 min
THE QUICKEST
INSTALLATION



FOR MOST
ROOF COVERINGS



5°-75°
ROOF PITCH*



KOMBI
GRATIS!



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

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.

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:

Symbol size Window sizes: width x height [cm]	
47×73	
VERSA RESET WVR V8	✓
VERSA RESET WVR V6	✓

*roof pitch for VERSA RESET WVR V8

Roof skylight made of PVC - VERSA RESET with EPDM flashing
for non-use, unheated rooms

WVR PVC RESET



Roof skylight with EPDM flashing open on the left or right side VERSA RESET WVR PVC V8/V6

Product features and benefits:

- ✓ made of multi-chamber PVC profiles
- ✓ profile color - white
- ✓ 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 15-65°
- ✓ 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
- ✓ sealing wedges
- ✓ drainage gutter
- ✓ sash locking handle in 2 positions
- ✓ EPDM flashing



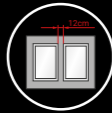
15 min
THE QUICKEST
INSTALLATION



FOR MOST
ROOF COVERINGS



15°-65°
ROOF PITCH



KOMBI
GRATIS!



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



WVR PVC V6

VERSA RESET WVR PVC V6 is a roof skylight with a profile made of PVC and integrated with an EPDM flashing. It is resistant to weather conditions, waterproof and requires no maintenance. Thanks to the RESET flashing made of EPDM and factory-installed brackets, the hatch can be installed in just 15 minutes. The installation is safe because unlike aluminum flashing, the RESET flashing has no sharp edges that could injure the roofer. The WVR PVC V6 access hatches can be installed in combinations without the need for a special flashing, which significantly reduces the cost of installing a combination connection. The VERSA roof access hatch, like its predecessors, includes a drainage gutter, an automatic closure limiter during work on the roof, a roof tile bracket, sealing wedges, and an opening handle that can be stopped in 2 positions.

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:

Symbol size Window sizes: width x height [cm]	0.28 47x73
VERSA RESET WVR PVC V8	✓
VERSA RESET WVR PVC V6	✓

Comfortable
Practical
Timeless

// Roof skylights

VERSA®

Roof skylights

for living quarters and unheated attics

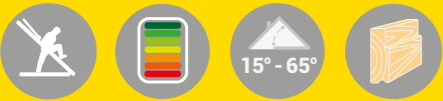
Roof skylights available in offer can be used in living quarters - such as bedrooms or bathrooms, and in unused attics. Energy-saving triple-glazed skylights, available in both wooden and PVC versions, can be used as an exit to the roof from any room without disturbing the thermal parameters of building.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



3-glazed wooden skylight
for habitable areas / heated rooms

ISWX

VERSA®



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 7016
- ✓ 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
- ✓ wide range of internal blinds and pleats



30°



180°



ISWX I22

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.

Glazing unit:

Glass model		I22
U - value of glass		U _g = 0,7 W/m ² 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

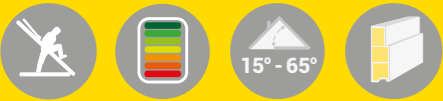
Available sizes:

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

Wyłaz 3-szybowy PVC
do pomieszczeń użytkowych, ogrzewanych

IGWX

VERSAR



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 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 7016
- ✓ 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
- ✓ wide range of internal blinds and pleats



30°



180°



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.

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

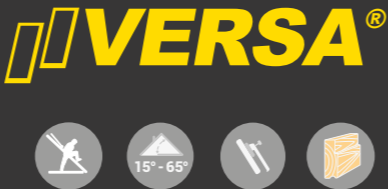
Available sizes:

U - value of skylight		
Glazing area [m²]	0,20	0,27
Symbol size	01	02
Window sizes: width x height [cm]	55x78	55x98
IGWX N22	✓	✓

2-glazed skylight that opens upwards

FOR NON-HABITABLE AREAS

2-glazed wooden skylight
ISWX+ E2



Integrated underfelt collar improves
conneccion 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 7016
 - ✓ 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	Argon
Properties of the glass	warm spacer, toughened pane

Energy-saving:

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

2-glazed skylight that opens upwards

FOR NON-HABITABLE AREAS

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 7016
 - ✓ wide range of installation angle 15-65°
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 - ✓ can be installed with additional sealing accessories
 - ✓ wide range of internal blinds and pleats

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 skylight	
Skylight model	ISWX E2
Uw [W/m²K]	1,2 <i>i</i>

2-glazed PVC skylight
IGWX+ E2



Integrated underfelt collar improves
conneccion with existing roofing felt

- Product features and benefits:**
- ✓ window with joinery made of multi-chamber PVC profiles
 - ✓ profile chambers are filled with insulating material 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 7016
 - ✓ 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
 - ✓ wide range of internal blinds and pleats

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

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 and reinforced with steel cores, which significantly increases the insulation parameters of the window
 - ✓ the profile is resistant to moisture and requires no maintenance
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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 skylight	
Skylight model	IGWX E2
Uw [W/m²K]	1,2 <i>i</i>

Available sizes:

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	✓	✓	✓	✓

Available sizes:

Glazing area [m²]	0.23
Symbol size	01
Window sizes: width x height [cm]	55x78
ISWX E2	✓
IGWX E2	✓

2-glazed wooden skylight
for non-habitable areas / non-heated rooms

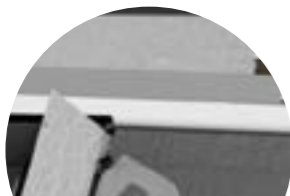
WVM+ WVD+



// sash opening limiter
// universal hinges - possibility
to change the opening way



// sash locking handle
in 3 different positions



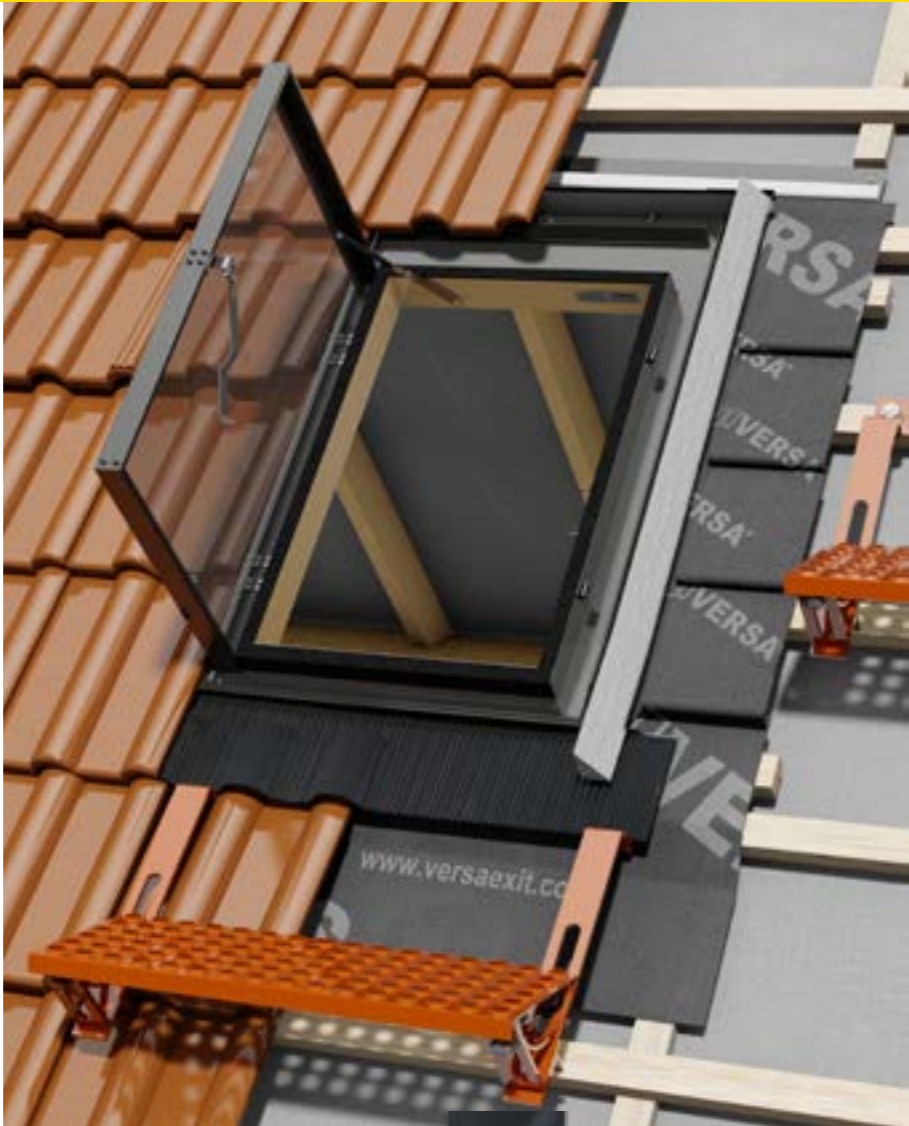
// drainage gutter
// vapour-permeable underfelt collar
// sealing wedge



// threshold



// EPDM apron glued with butyl



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

vapor permeable collar included

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 7016
- ✓ 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

Equipment:

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



WVD+ V3 (86x86)



WVM+

INTEGRATED
UNDERFELT COLLAR



WVD+

INTEGRATED
UNDERFELT COLLAR

Glazing unit:

Glass model	V3 3H/8/3H (AR)+	V4 4/6/4
U - value of glass	2-glazed	2-glazed
Gas	Argon	Argon
Properties of the glass	toughened pane (two toughened panes for size 86x86)	-

Available sizes:

Symbol size	01 47x57	02 47x73	04 86x86
Window sizes: width x height [cm]			
WVM+ V4	✓		
WVD+ V4		✓	
WVD+ V3			✓

2-glazed wooden skylight
for non-habitable areas / non-heated rooms

WVM WVD

VERSAR[®]



// sash opening limiter
// universal hinges - possibility
to change the opening way



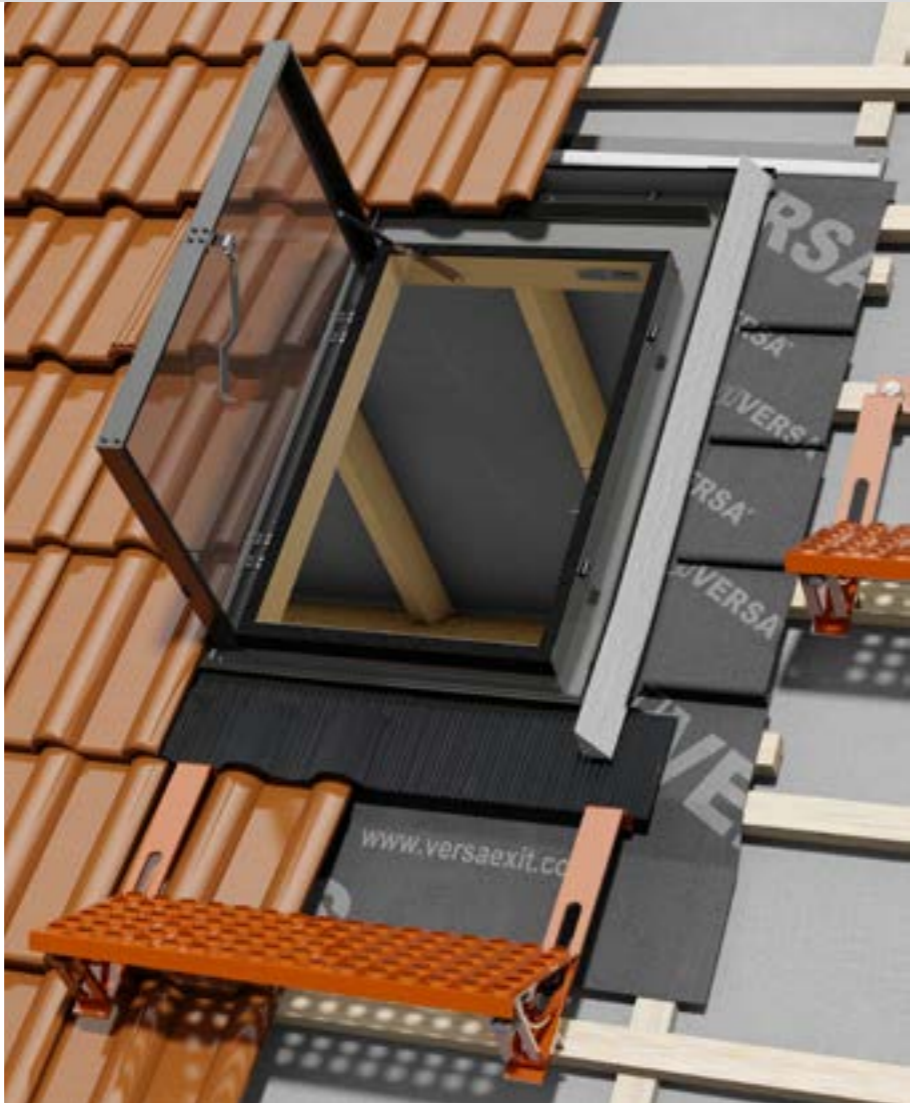
// sash locking handle
in 3 different positions



// sealing wedge



// EPDM apron glued with butyl



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

vapor permeable collar included

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 7016
- ✓ 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

Equipment:

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



WVM



WVD

Glazing unit:

Glass model	V3 3H/8/3H (AR)+	V4 4/6/4
U - value of glass	2-glazed	2-glazed
Gas	Argon	Argon

Available sizes:

Symbol size	01	02
Window sizes: width x height [cm]	47x57	47x73
WVM V4	✓	
WVD V4		✓

2-glazed wooden skylight
for non-habitable areas / non-heated rooms

WVB+

VERSA®



// sash opening limiter
// universal hinges - possibility
to change the opening way



// sash locking handle
in 2 different positions



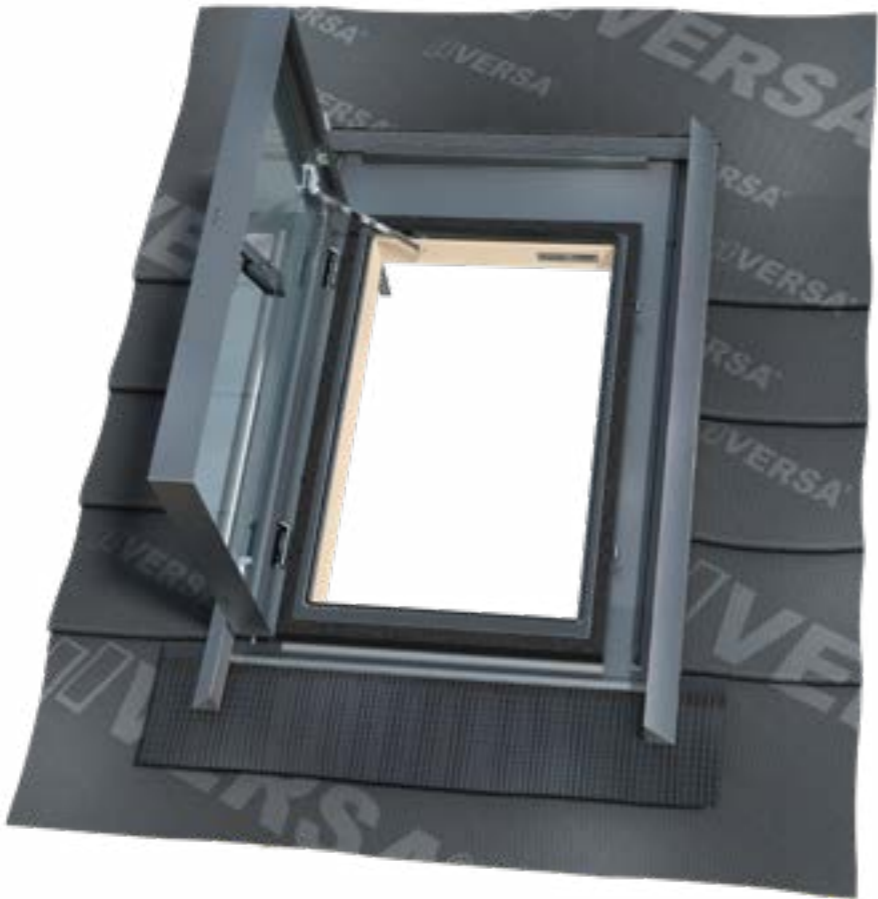
// drainage gutter
// vapour-permeable underfelt collar
// sealing wedge



// threshold



// EPDM apron glued with butyl



Skylight to non-usable rooms, enabling access to the roof for inspection, installation of antennas or carrying out works chimney sweeps. The hatch also enables possible evacuation from the building.

WVB+ is a new proposal of the VERSA line. These are skylights with a modernized design and a collar made of aluminum. WVB+ is integrated with a vapour-permeable flange.

2-glazed wooden skylight opening with side hinges WVB+

vapor permeable collar included

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 7016
- ✓ 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)

Equipment:

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




Unique
glass
design

Glazing unit:

Glass model	V6 4/6/4
Properties of the glass	2-glazed

Available sizes:

Symbol size		
Window sizes: width x height [cm]	01 47x57	02 47x73
WVB V6	✓	
WVB V6		✓

2-glazed PVC skylight
for non-habitable areas / non-heated rooms

WVB+ PVC

VERSA®



// sash opening limiter
// universal hinges - possibility
to change the opening way



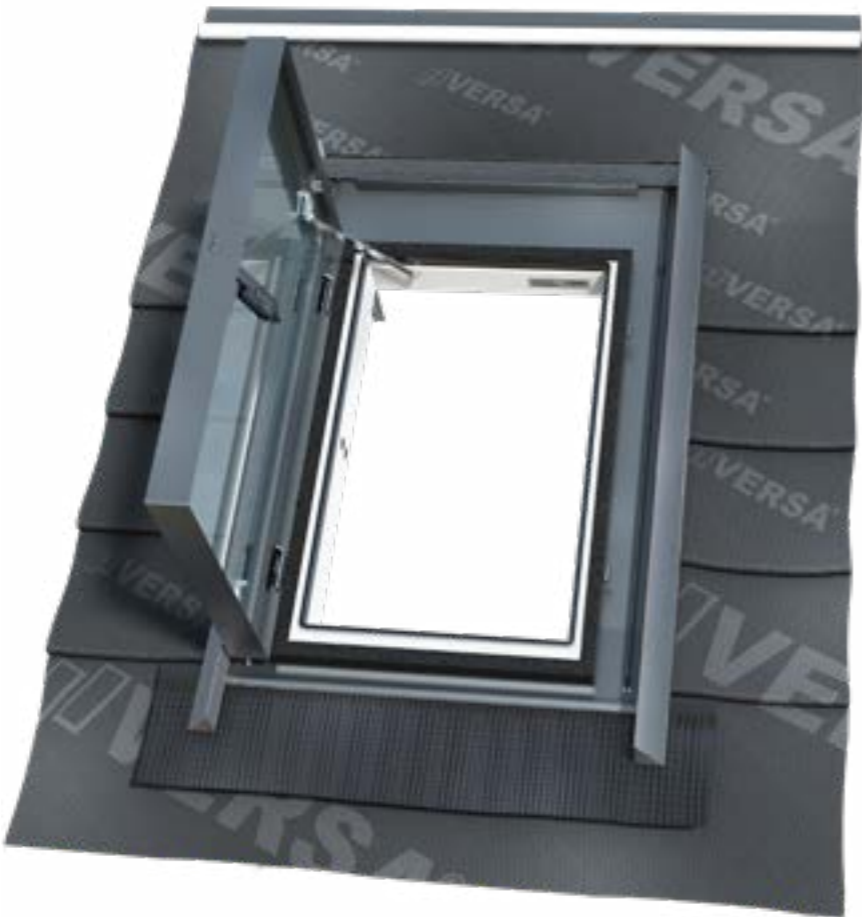
// sash locking handle
in 2 different positions



// drainage gutter
// sealing wedge



// EPDM apron glued with butyl



Skylight to non-usable rooms, enabling access to the roof for inspection, installation of antennas or carrying out works chimney sweeps. The hatch also enables possible evacuation from the building.

WVB+ PVC is a new proposal of the VERSA line. These are skylights with a modernized design and a collar made of aluminum. WVB+ PVC is integrated with a vapour-permeable flange. The profile is resistant to weather conditions and does not require maintenance.

2-glazed PVC skylight opening with side hinges WVB+ PVC

vapor permeable collar included

Product features and benefits:

- ✓ made of multi-chamber PVC profiles
- ✓ carpentry color - aesthetic white
- ✓ fashionable color of the flashing - RAL 7016
- ✓ wide range of installation angle 15-65°
- ✓ skylight for non-habitable areas
- ✓ allows easy and convenient access to the roof
- ✓ underfelt collar improves connection with existing roofing felt
- ✓ variable sash opening direction (to the right or left side)

Equipment:


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



Glazing unit:

Glass model	V6 4/6/4
Properties of the glass	2-glazed

Available sizes:

Symbol size		
Window sizes: width x height [cm]	01 47x57	02 47x73
WVB V6	✓	
WVB V6		✓



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.

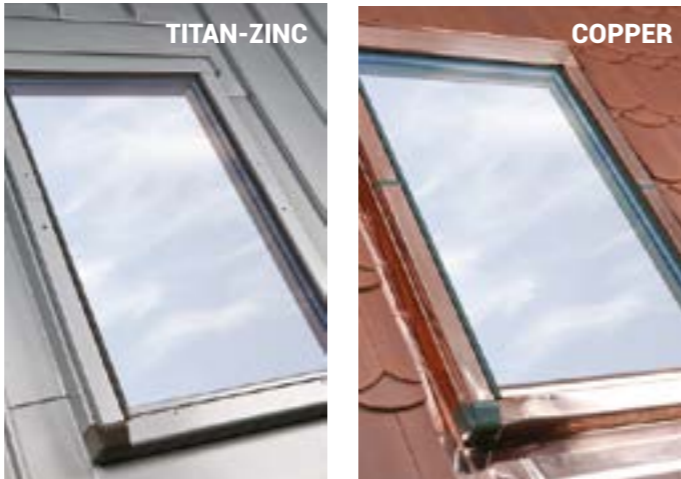


Non-standard shapes



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

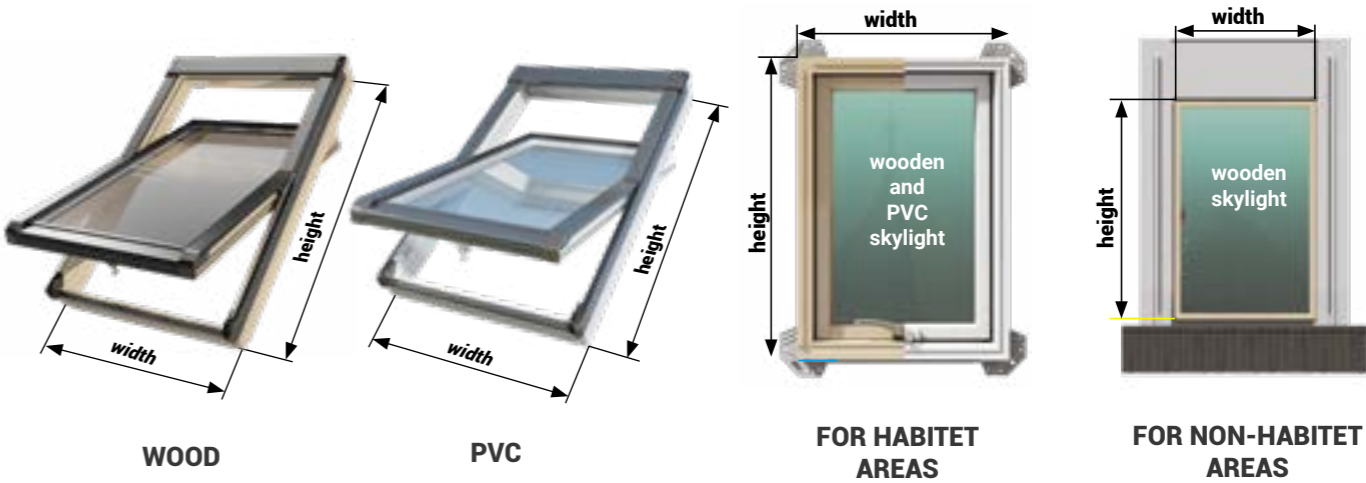
Non-standard flashing



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.

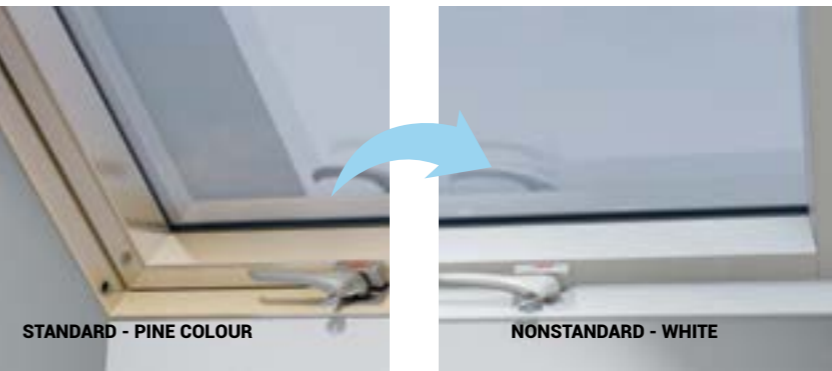


Non-standard flashing colours

Powder painted in RAL colours



Wooden windows carpentry

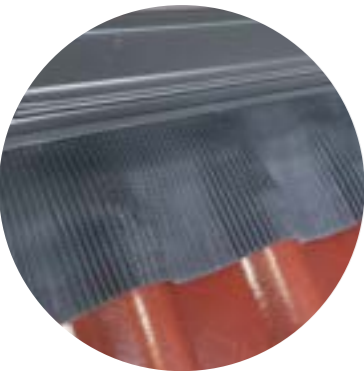


Non-standard orders are processed after consultation with Customer Service Office

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	Specification	Window sizes: width x height [cm]														
		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
H9	flat and profiled roofing materials up to 9 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
H12	flat and profiled roofing materials up to 12 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D	flat tiles up to 4 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P	flat roofing materials up to 1cm high (such as roofing felt or roof shingle)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
R	metal standing seam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L	slates up to 1 cm high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LH	plain tiles from 2,4 to 3,2 (2x1,2 to 1,6 cm) high	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BPH	panel sheet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

H9

tile,
profiled sheet



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.



H12

tile,
profiled sheet



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.



D

for flat tile roofing



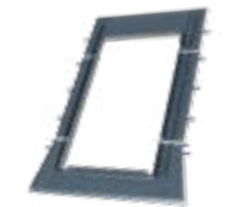
FOR **FLAT** TILES

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



P

roofing felt,
bituminous shingle,
flat sheet metal



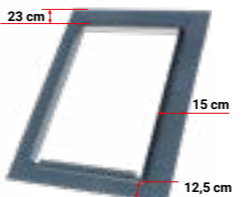
FOR **FLAT** ROOFING MATERIALS

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.



R*

for flat sheet coverings,
standing seam system



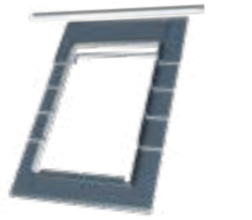
FOR **METAL STANDING SEAM**

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



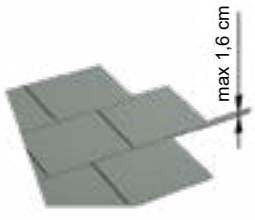
L*

slate



FOR **SLATES**

Enables connection of the window with slate roofing up to **1,6 cm** height (**2 x 0,8 cm**). Made of polyester-coated aluminum sheet.



LH*

plain tile



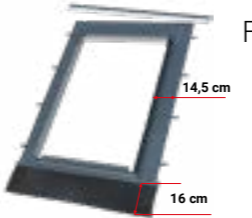
FOR **PLAIN TILE**

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



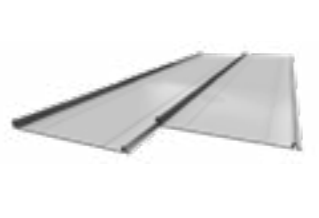
BPH*

or coverings made of panel sheet - prefabricated with a system seam



FOR **PANEL SHEET**

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



* Custom-made flanges require consultation with a Technical and Commercial Advisor or Customer Service Office. All flashings are available in RAL 7016.



KOMBI flashings

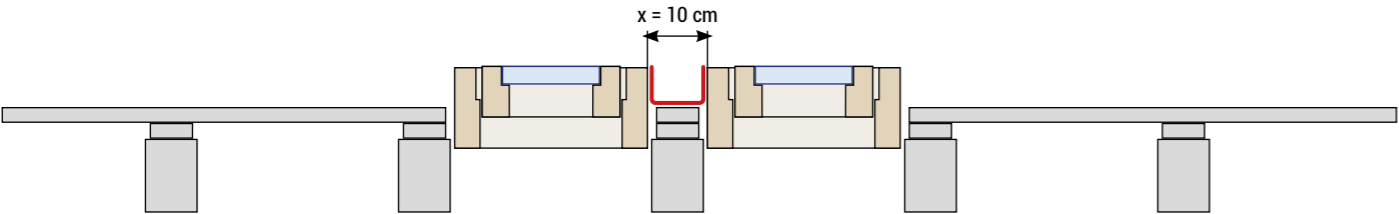
Window combinations

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.



Distances to be kept when installing KOMBI flashings



Standard measurements in KOMBI flashings

x = 10 cm
y = 10 cm

Non-standard measurements in KOMBI flashings

x = 7-30 cm*
y = 10 cm

Measurements in KOMBI flashings for windows with external blinds

x = 10 cm dla ARZS/ARZE
y = 25 cm



KOMBI elements for universal flashings (look from the outside)

Single roof window

Vertical connection of two roof windows (Y).

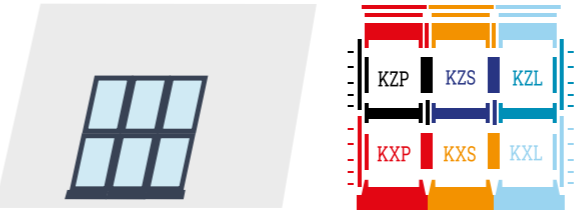
Horizontal connection of two roof windows (X).

Horizontal connection of three roof windows (X).

Connection of four roof windows (X).

Connection of four roof windows (X and Z).

Connection of six roof windows (X and Z).



For the correct ordering of KOMBI flashings, you need to know the type of roofing material.

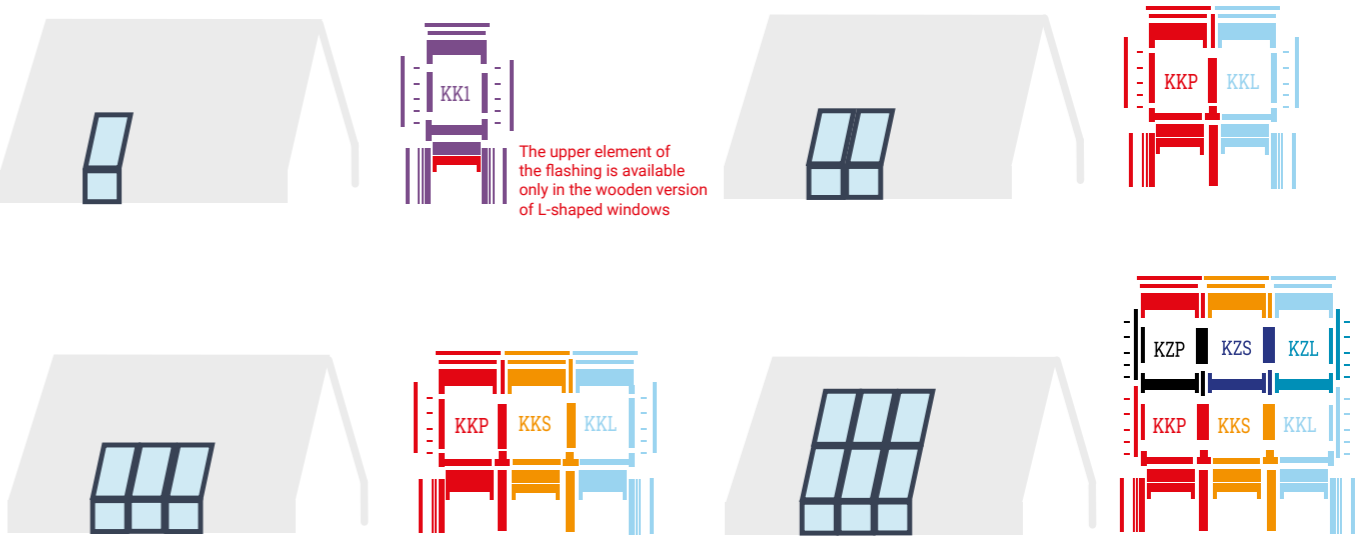
Sample order for this KOMBI in case of coverage flat sheet, it will look like this: **KXP R + KXS R + KXL R + KZP R + KZS U + KZL R.**

Selection of flashings for combinations due to the type of covering

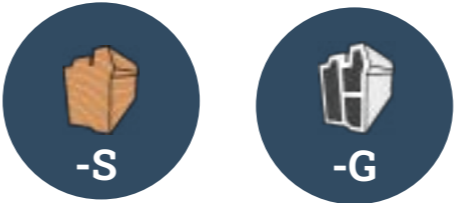
FLASHINGS		K-1	KXL	KXP	KXS	KYS	KZL	KZP	KZS
ROOFINGS	flat and profiled roofing materials up to 9 cm high	H9	H9	H9	H9	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D / P / BP / R / LH / L
	flat and profiled roofing materials up to 9 cm high	H12	H12	H12	H12				
	flat tiles up to 4 cm high	D	D	D	D				
	flat roofing materials up to 1cm high	P	P	P	P	P	P	P	
	metal standing seam	R	R	R	R	R	R	R	
	plain tiles from 2,4 to 3,2 high	LH	LH	LH	LH	LH	LH	LH	
	slates up to 1 cm high	L	L	L	L	L	L	L	
	panel sheet	BPH	BPH	BPH	BPH	BPH	BPH	BPH	

Windows connected in sets allow for a panoramic view, healthy lighting and an effective interior design.

KOMBI elements for L-shaped windows flashings (look from the outside)



An example order for KOMBI flashings for this combination (wooden windows, profiled roofing up to 9 cm high) will be as follows: **KKP-S + KKS-S + KKL-S U**. When ordering, it is necessary to specify the height of the knee window.



Collars for elbow windows differ in terms of the type of window they will be used for. For windows with a wooden profile, the names of the flashings will have the "-S" suffix, for windows with a PVC profile - the "-G" suffix. For example KK1-S and KK1-G.

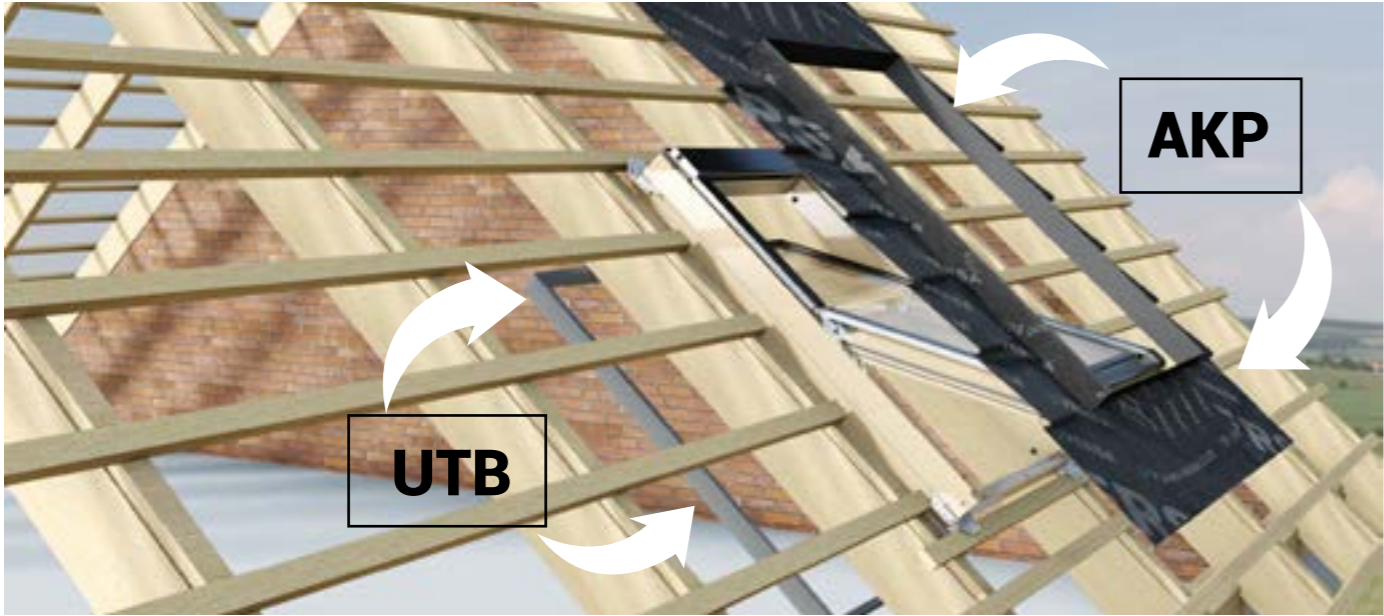
Selection of flashings for combinations - with L-shaped windows - due to the type of covering

FLASHINGS		KK1-S	KKP-S	KKS-S	KKL-S	KK1-G	KKP-G	KKS-G	KKL-G
ROOFINGS	flat and profiled roofing materials up to 9 cm high	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D	U = H9 / H12 / H5 / D
	flat and profiled roofing materials up to 12 cm high								
	flat tiles up to 4 cm high								
	flat roofing materials up to 1 cm high	P	P	P	P	P	P	P	P
	metal standing seam	R	R	R	R	R	R	R	R
	slates up to 1 cm high	L	L	L	L	L	L	L	L
	plain tiles from 2,4 to 3,2 high	LH	LH	LH/BPH	LH	LH	LH	LH/BPH	LH
	panel sheet	BPH	BPH		BPH	BPH	BPH		BPH

The U-flashing is a universal flashing for selected models.



Installation / insulation accessories



AKP VAPOUR PERMEABLE UNDERFELT COLLAR

- PROTECTION OF JOINERY FROM HUMIDITY**
- made of highly-permeable membrane
 - enables connection between the window and the vapour permeable membrane of the roof

Characteristic:

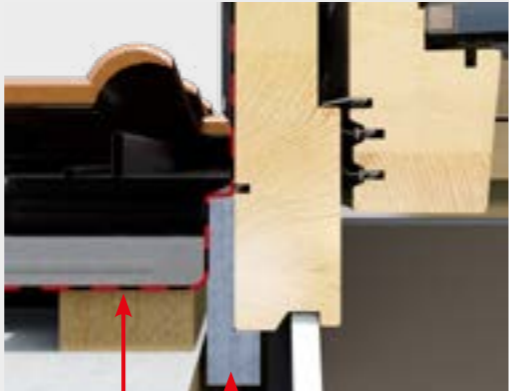
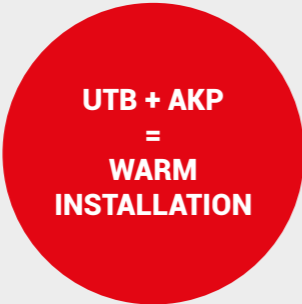
- membrane thickness 0,7 mm
- grammage 150 g/mt
- fire protection - E class
- flexibility in low temperature -40° C
- Sd factor: 0,02 m.



UTB FOILING FOAM

HEAT LOSS REDUCTION AROUND THE FRAME OF THE WINDOW

- fills up the gap between the window and the roof
- reduces the possibility of thermal bridging via insulating of the roof window



Automatic window control

Control unit ACR230		
	Application	Features
	Control: ASE 230, ADD	<ul style="list-style-type: none">• output voltage 230V• enables remote control of ASE 230 actuator(single connection port)• possibility of conectring an ADD rain sensor• controlled by AP4 remote
ADD rain sensor		
	Application	Features
	Automatic sash closing in the window ISC1V, IGC1V	<ul style="list-style-type: none">• automatically closes windows upon rain detection• sensor is tremore - based and won't activate due to fog, icing, moisture
AWN wallswitch		
	Application	Features
	Control: ARZE, ASE 230	<ul style="list-style-type: none">• colour: white• rated current: 10A• rated voltage: 230V• IP20• size - switch: 90×80,5×37,5mm• size - electrical box: 90×80,5×31mm• method of work: hold to run switch• universal installation: flush-mounted (switch) or surface-mounted (switch+electrical box)
AP4 remote control		
	Application	Features
	Control: ACR 230	<ul style="list-style-type: none">• 4-channel remote control• radio remote control
ASE230 ELECTRICAL CHAIN ACTUATOR ASE 230		
	Application	Features
	Automatic closing and opening the window	<ul style="list-style-type: none">• output voltage 230V• absorbed current 0,12 A• chain operation speed without load 8 mm/s• cycle time without load: 46 s (360 mm)• double insulation• IP30• double steel chain



Internal accessories

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



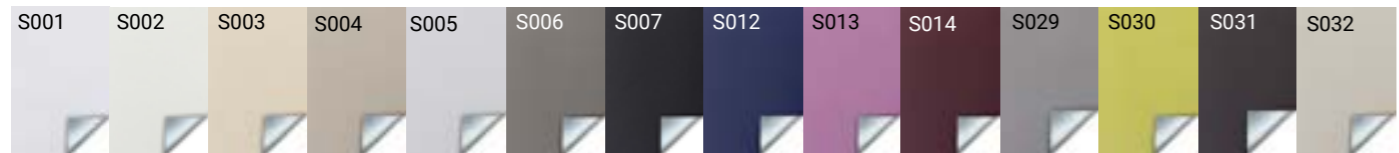
White colour

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

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



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





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

ARZE / ARZE1



Roller shutter electric
ARZE - adapted for switch control
ARZE1 - adapted for remote control

ARZS1



Roller shutter solar
ARZS1 - 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.



Sizes of accessories

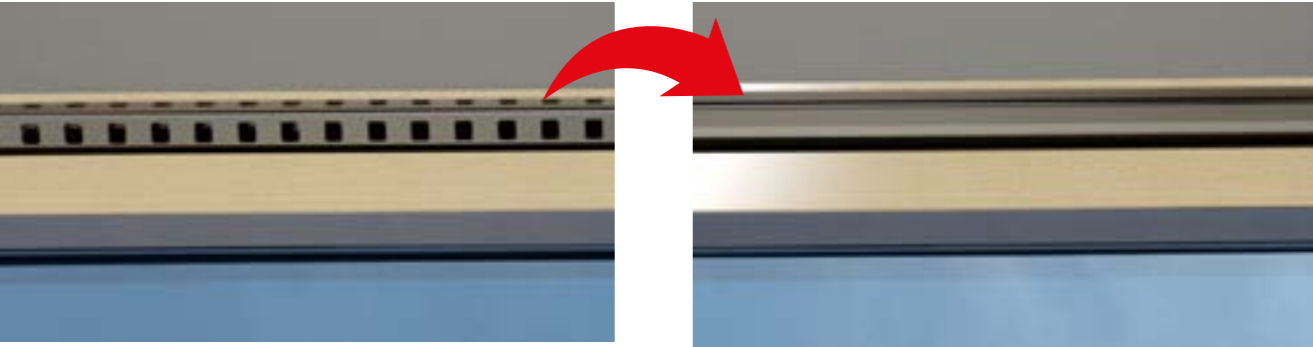
Symbol size		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
Window sizes: width x height [cm]		55×78	55×98	66×98	66×118	66×140	78×98	78×118	78×140	78×160	94×118	94×140	94×160	114×118	114×140	134×98
D37T/D37T W	MULTISTOP ROLLER BLIND translucent fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D37Z/D37Z W	MULTISTOP ROLLER BLIND blackout fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D33T/D33T W	DECOMATIC ROLLER BLIND translucent fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D33Z/D33Z W	DECOMATIC ROLLER BLIND blackout fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D12T/ D12T W	CLASSIC ROLLER BLIND translucent fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D12Z/ D12Z W	CLASSIC ROLLER BLIND blackout fabric	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL/ BLW	BATTEN BL, BLW (for Classic Roller Blind)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AMO	Insect screen AMO (recess window - max 200 cm)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AMW/AMZ	AWNING BLIND HEAT PROTECTION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARZE	EXTERNAL ROLLER SHUTTER ELECTRIC - 230V adapted for switch control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARZE1	EXTERNAL ROLLER SHUTTER ELECTRIC - 230V radio control (wireless) with AP1 remote control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARZS1	EXTERNAL ROLLER SHUTTER SOLAR - radio control (wireless) with AP1 remote control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Other accessories

BR	BR - window sash blockade for use in windows (with an external roller shutter installed) from height of 118cm.	✓
Ado	Telescopic rod (195 cm) easier to open: windows, shutters, awnings	✓
AWN	shutter switch single with installation box surface-mounted for the ARZE roller shutter	✓

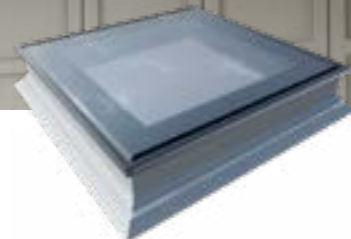
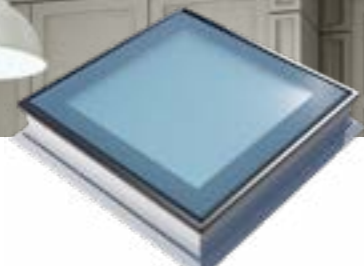
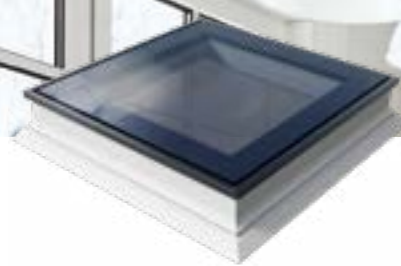
Windows without ventilator

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



Flat roof windows

fixed



PGX A1

BASIC WINDOW

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

glazing unit structure	6H/18/44.2T
U value of glazing	Ug = 1,0 W/m²K
glazing unit	single chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 0,99 W/m²K



PGX A5

WALK-ON

The special glazing unit in PGX A5 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 to lighten your room and maximize the functional space on your roof garden.

glazing unit structure	888.4H/16/44.2T
U value of glazing	Ug = 1,0 W/m²K
glazing unit	single chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	×3
low-emission coat	✓
warm spacer	✓
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 0,99 W/m²K



PGX B1

3-GLAZED

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

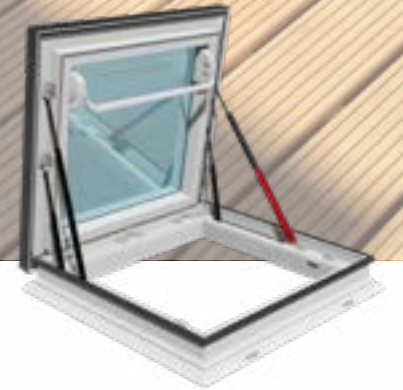
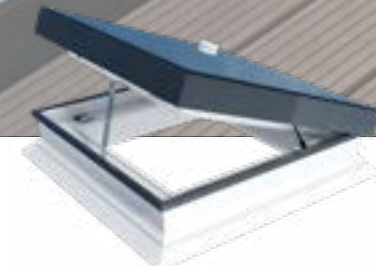
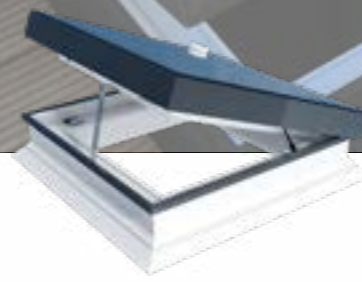
glazing unit structure	6H/18/44.2T
U value of glazing	Ug = 1,0 W/m²K
glazing unit	double chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	✓
low-emission coat	×2
warm spacer	×2
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 0,64 W/m²K



Flat roof windows

openable



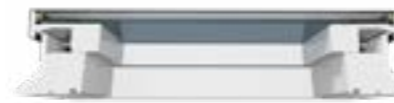
PGC A1

ELECTRIC

PGC A1 opens up to 20 cm height, what is a perfect solution for ventilation. 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.

glazing unit structure	6H/18/44.2T
U value of glazing	Ug = 1,0 W/m²K
glazing unit	single chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 1,2 W/m²K



PGC B1

3-GLAZED/ELECTRIC

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

glazing unit structure	6H/16/6TH/16/44.2TF
U value of glazing	Ug = 1,0 W/m²K
glazing unit	double chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	✓
low-emission coat	×2
warm spacer	×2
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 0,92 W/m²K



PGM A1

MANUAL

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

glazing unit structure	6H/18/44.2T
U value of glazing	Ug = 1,0 W/m²K
glazing unit	single chamber
gas	argon
laminated inner pane P2A	✓
external toughened pane	✓
low-emission coat	✓
warm spacer	✓
multi-chambered PVC	✓
white profile	✓
PU-foam filling	✓
maintenance free	✓
weather conditions resistant	✓
roof pitch	2°-15°

Uw = 1,2 W/m²K



It is possible to order roller shutters for flat roof windows. See the details of the offer in "Flat roof windows" catalogue.



Check the offer in the "Flat roof windows" catalog by scanning the QR code or visit www.okpol.com.

Broaden your
perspectives with us!

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