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PRODUCT CATALOGUE

ROOF WINDOWS AND SKYLIGHTS
OCTOBER 2018



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Indoor accessories - available in another catalogue

Flat roof windows - available in another catalogue

For 27 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 deliver our windows to multiple European countries, as well to those beyond the borders of our continent. 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.



**Broaden your
perspectives with us**



Quality - our priority



PVC windows



Produced via the SuperThermo energy-saving technology, made from PVC, mastered at every angle. The PVC windows group is designed for highly humid rooms such as kitchens, bathrooms or laundry rooms. The 130mm thick window frame is a solid base for the whole construction. Carpentry was made from multi-chambered PVC profiles supported with steel profiles and filled with PU foam in order to improve windows' thermal insulation.



Wooden windows



The construction of wooden windows produced via SuperThermo technology not only acquires the solid and stable impregnated pine wood carpentry, but also is one of the most modern solutions for outdoor flashings. The innovative design connecting aluminum and PVC elements emphasizes the roof aesthetics and maintains the increased tightness and thermal insulation of the window.



Details about the warranty policy available at www.okpol.com



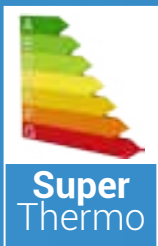
What makes our products so special?



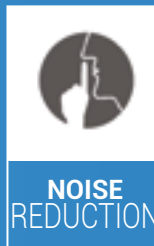
Windowpane covered with the self-cleaning SGG BIOCLEAR shield used in a selection of double- and triple-glazed pacquets. Thanks to the self-cleaning function it prevents the dirt settlement on the external glass. It provides the clarity and ease at maintaining the purity of view.



Windowpane with the anti-dew coating in some triple glazing pacquets helps to significantly reduce the water vapour condensation on the external glass.



The group of the most popular centre-pivot windows made of wood, now in a modern SuperThermo technology with a better thermal parameter for the whole window and no need to use any additional thermal blocks.



The laminated windowpane with the sound-proof coating allows you to enjoy the safety and quiet in your house. Used in ISO E8 window provides excellent noise reduction parameters = 37dB.



Handle at the bottom part of the sash equipped with a key lock provides safety from unwanted opening, enables micro-ventilation of the sash and ensures the comfortable and functional usage of the window.



The Q-LON foam gasket with awesome recompression properties (it comes back to its original shape right after deformation) ensures excellent functioning in both low and high temperatures. Profiles with very good acoustic values acquire unbeatable thermal properties. It provides increased tightness and energy efficiency.










The flashing made from polyester-covered aluminum tinware in RAL 7022 shade. There is a possibility to adjust the flashing colour to your own preferences from the colour range on page 47.







Warm. Long-lasting. Tight.



// ENERGY EFFICIENT WINDOWS - double glazing

FUNCTION	CENTRE-PIVOT					HIGH-PIVOT		TOP-HUNG		CENTRE-PIVOT WITH ELECTRIC MOTOR	
											
MODEL/SYMBOL	MSO E2	ISO E2	ISO E8	BGOV E2	IGOV E2	ISH E2	IGHV E2	ISK E2	IGKV E2	ISC ₁ E2 ISC ₂ E2	IGC ₁ V E2 IGC ₂ V E2
CARPENTRY	 wood	 wood	 wood	 PVC	 PVC	 wood	 PVC	 wood	 PVC	 wood	 PVC
FACTOR U _w (W/m ² K)	1,2 W/m ² K	1,2 W/m ² K	1,2 W/m ² K	1,3 W/m ² K	1,2 W/m ² K	1,2 W/m ² K	1,2 W/m ² K	1,3 W/m ² K	1,2 W/m ² K	1,2 W/m ² K	1,2 W/m ² K
SOLID+ CARPENTRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEO VENT VENTILATOR	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
TRIPLE PAINTING ON CARPENTRY	✓	✓	✓	-	-	✓	-	✓	-	✓	-
GLAZING TYPE	E2	E2	E8	E2	E2	E2	E2	E2	E2	E2	E2
NUMBER OF GASKETS	4	4	4	4	4	4	4	4	4	4	4
ROOF PITCH	15-90°	15-90°	15-90°	15-90°	15-90°	15-90°	15-90°	15-65°	15-65°	15-90°	15-90°
CATALOGUE PAGE	9	9	9	11	11	13	13	15	15	17	19

// GLAZING UNITS

Energy-saving double-glazed units 24mm						
GLAZING UNITS CROSS-SECTION						
GLAZING UNIT SYMBOL	E2	E3	E4	E5	E6	E8
GLAZING UNIT STRUCTURE	4H/16/4T(AR)	4BH/16/4T(AR)	4BH/14/33.1T(AR)	4BH/14/33.2T(AR)	4BH/14/33.1T(SR)(AR)	4H/14/33.1T(SR)(AR)
U VALUE OF GLAZING U _g (W/m ² K)	1,0 W/m ² K	1,0 W/m ² K	1,0 W/m ² K	1,0 W/m ² K	1,0 W/m ² K	1,0 W/m ² K
GAS	argon	argon	argon	argon	argon	argon
WARM SPACER	1	1	1	1	1	1
LOW EMISSION COAT	1	1	1	1	1	1
TOUGHENED PANE	1	1	1	1	1	1
ANTI-DEW COATING	-	-	-	-	-	-
SELF-CLEANING COATING	-	✓	✓	✓	✓	-
NOISE REDUCTION	-	-	-	-	✓	✓
LAMINATED INNER PANE	-	-	P1A class	P2A class	P1A class	P1A class
CUSTOMIZED PANE	-	✓	✓	✓	✓	-

// SUPER ENERGY-SAVING WINDOWS - triple glazing

FUNCTIONA	CENTRE-PIVOT	TOP-HUNG	CENTRE-PIVOT WITH ELECTRIC MOTOR
-----------	--------------	----------	----------------------------------



MODEL/SYMBOL	ISO I22	ISO I6	ISO I3	IGOV N22	IGOV N23	ISK I3	IGKV N22	ISC ₁ I22 ISC ₂ I22	IGC ₁ V I22 IGC ₂ V I22
CARPENTRY	wood	wood	wood	PVC	PVC	wood	PVC	wood	PVC
FACTOR Uw (W/m²K)	1,0 W/m²K	1,0 W/m²K	0,93 W/m²K	0,83 W/m²K	0,83 W/m²K	0,8 W/m²K	0,83 W/m²K	1,0 W/m²K	1,0 W/m²K
SOLID+ CARPENTRY	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEO VENT VENTILATOR	✓	✓	✓	✓	✓	✓	✓	-	✓
TRIPLE PAINTING ON CARPENTRY	✓	✓	✓	-	-	✓	-	✓	-
GLAZING TYPE	I22	I6	I3	N22	N23	I3	N22	I22	I22
NUMBER OF GASKETS	4	4	4	4	4	4	4	4	4
ROOF PITCH	15-90°	15-90°	15-90°	15-90°	15-90°	15-65°	15-65°	15-90°	15-90°
CATALOGUE PAGE	23	23	23	25	25	27	27	29	31

SUPER ENERGY-SAVING TRIPLE-GLAZED UNITS 36mm					SUPER ENERGY-SAVING TRIPLE-GLAZED UNITS 48mm			
I3	I4	I5	I6	I22	N22	N23	N24	N25
4DRYH/12/4TH/12/4T(KR)	4BH/12/4TH/12/4T(KR)	4DRYH/4TH/10/33.2T(KR)	4DRYH/12/4TH/12/4T(AR)	4TH/12/4/12/4T(AR)	4TH/18/4/18/4T(AR)	4TH/18/4/16/33.2T(AR)	4BH/18/4TH/18/4T(AR)	4DRYH/18/4TH/18/4T(AR)
0,5 W/m²K	0,5 W/m²K	0,5 W/m²K	0,7 W/m²K	0,7 W/m²K	0,5 W/m²K	0,5 W/m²K	0,5 W/m²K	0,5 W/m²K
crypton	crypton	crypton	argon	argon	argon	argon	argon	argon
2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2
2	2	2	2	1	1	1	2	2
✓	-	✓	✓	-	-	-	-	✓
-	✓	-	-	-	-	-	✓	-
-	-	-	-	-	-	-	-	-
-	-	P2A class	-	-	-	P2A class	-	-
-	✓	✓	-	-	-	-	✓	✓



Centre-pivot wooden windows

Wooden windows are valued for their warm and natural look. Thanks to them, it is much easier to gain coziness and homely atmosphere in the room, especially if there are some wooden elements inside (such as ceiling beams and constructional pillars). The construction of the wooden windows produced by using SuperThermo technology is equipped with modern external flashing that connects aluminum elements with PVC finish. It increases the thickness and thermal insulation levels of the whole window. The pivot hinge located in the middle of the sash enables 180-degree rotation of the sash.



// MSO E2 // ISO E2 // ISO E8

Window accessories including roller blinds, awning blinds and mosquito nets available in another catalogue.



U VALUE OF WINDOW
Uw = 1,2 W/m²K



U VALUE OF WINDOW
Uw = 1,2 W/m²K



U VALUE OF WINDOW
Uw = 1,2 W/m²K

GLAZING UNIT

E2

double glazing
gas - argon
warm spacer
low emission coat
toughened pane



4H/16/4T (AR)

Ug = 1,0 W/m²K

E2

double glazing
gas - argon
warm spacer
low emission coat
toughened pane



4H/16/4T (AR)

Ug = 1,0 W/m²K

E8

double glazing
gas - argon
warm spacer
low emission coat
toughened pane
laminated pane P1A
pane with noise reduction



4H/14/33.1TSR (AR)

Ug = 1,0 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

Gaskets

4

4

4

Ventilator

-



Handle



with key lock and
micro-ventilation



with key lock and
micro-ventilation



with key lock and
micro-ventilation

Roof pitch



**WINDOW WITH NOISE
REDUCTION RW=37D**

WINDOW SIZES

glazing area [m²]

size symbol

window size: width x height [cm]

01

02

03

04

15

05

06

07

13

08

09

14

10

11

12

55x78

55x98

66x98

66x118

66x140

78x98

78x118

78x140

78x160

94x118

94x140

94x160

114x118

114x140

134x98

MSO E2

ISO E2

ISO E8 noise reduction

delivery times [working days]

3-5



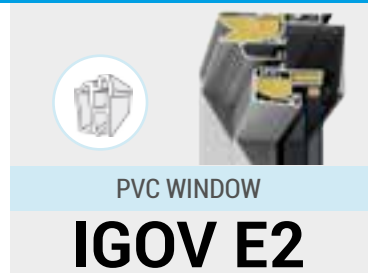
Centre-pivot PVC windows

PVC roof windows are designed especially for highly humid rooms such as kitchens, bathrooms or laundry rooms. Multi-chambered profiles are water resistant and maintenance free. They do not absorb the humidity and are resistant to atmospherical, chemical and biological factors. Pivot hinge located in the middle of the sash enables 180-degree rotation of the sash.

// BGOV E2 // IGOV E2



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR) Ug = 1,0 W/m²K

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened panea

4H/16/4T (AR) Ug = 1,0 W/m²K

Carpentry

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam; resistant to
atmospherial factors

SOLID+
multi-chambered PVC profiles in white;
frame and sash fulfilled with PU foam;
resistant to atmospherial factors

Gaskets

4

4

Ventilator



Handle



with key lock and
micro-ventilation



with key lock and
micro-ventilation

Roof pitch



WINDOW 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
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98

BGOV E2

IGOV E2

available sizes



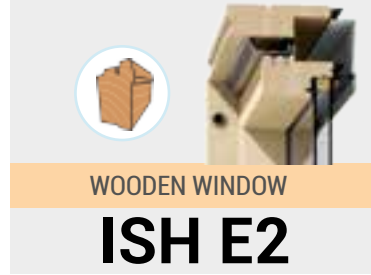
High-pivot windows

In high-pivot windows, the axis of rotation is placed at 3/4 length of the sash. The pivot hinge is located higher than usual and thanks to this, the arrangement of the space directly underneath the window is much easier. In addition, it makes the access to the window better for tall people.

// ISH E2 // IGHV E2



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR) Ug = 1,0 W/m²K

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR) Ug = 1,0 W/m²K

Carpentry

SOLID+
glued pine wood
triple painting

SOLID+
multi-chambered PVC profiles in white, filled with PU foam, resistant to atmospheric factors

Gaskets

4

4

Ventilator



Handle



with key lock and micro-ventilation



with key lock and micro-ventilation

Roof pitch



WINDOW SIZES AND PRICES

glazing area [m ²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISH E2															
IGHV E2															
available sizes															



Top-hung window

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 the smooth regulation of the sash in 0-30 degrees angle and 60-degree opening. At any times, the window does not take any place of the room - that ensures not only the incredible ease of movement but also the 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.



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



WOODEN WINDOW

ISK E2



PVC WINDOW

IGKV E2



Glazing unit

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane



4H/16/4T (AR) Ug = 1,0 W/m²K

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane



4H/16/4T (AR) Ug = 1,0 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam; resistant to
atmospherical factors

Gaskets

4

4

Ventilator



Handle



with key lock and
micro-ventilation



with key lock and
micro-ventilation

Roof pitch



WINDOW SIZES AND PRICES

glazing area [m²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISK E2															
IGKV E2															
available sizes															

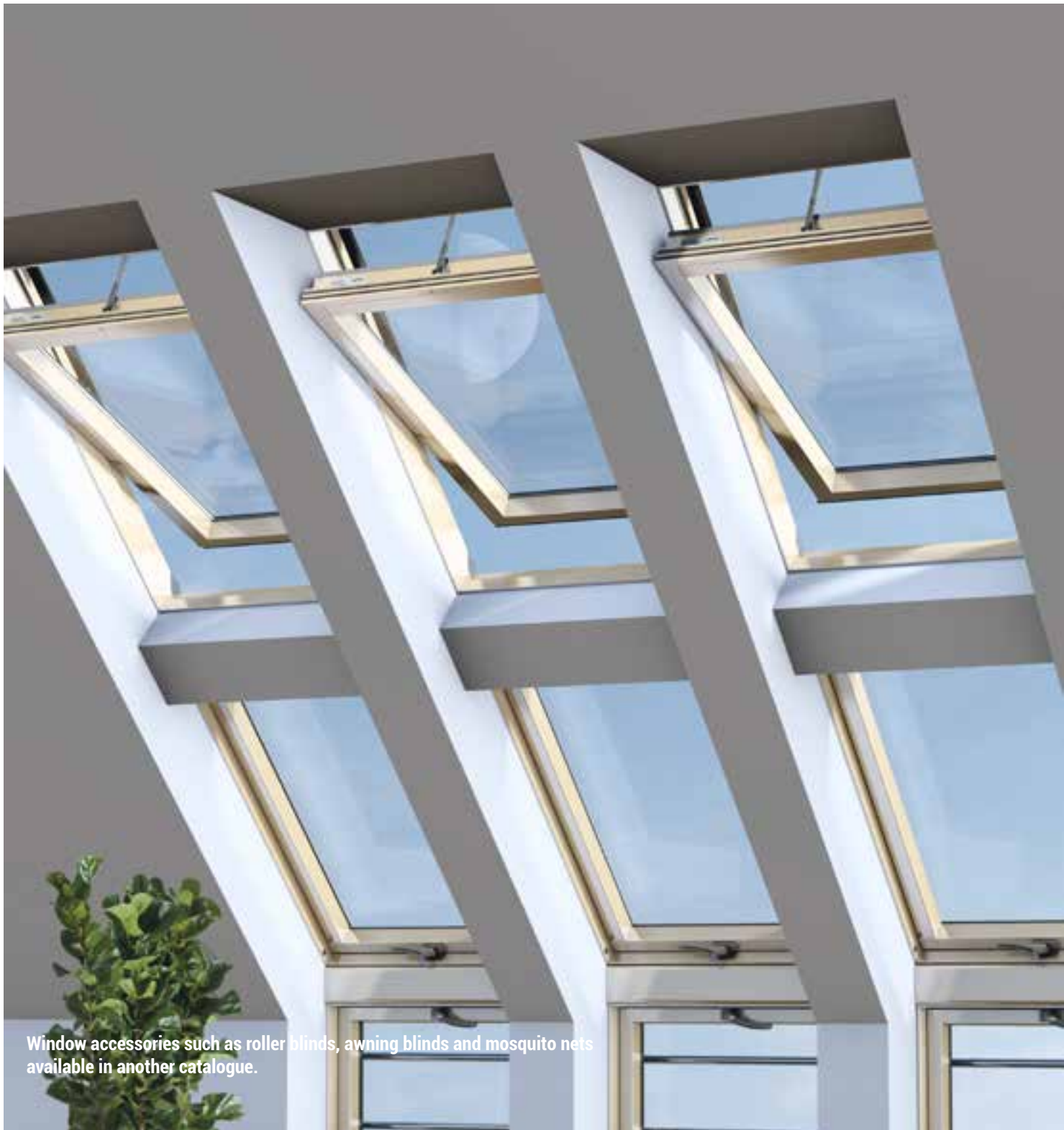


Centre-pivot wooden windows

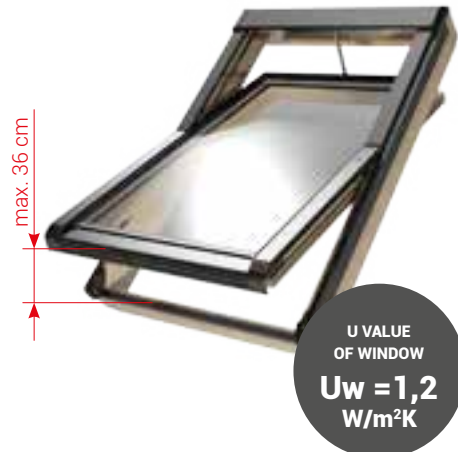
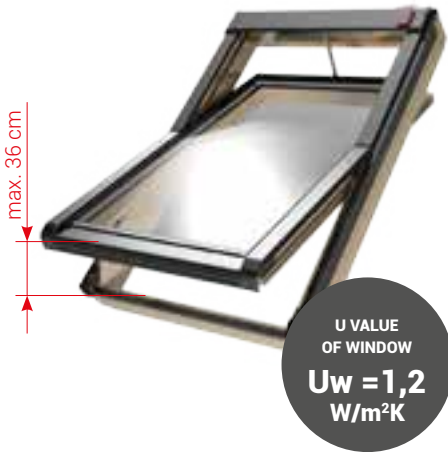
with electric motor








The quick and easy control of the window by the remote control or the wall switch makes the window with electric motor an ideal solution for places that are normally quite difficult to access. A special rain and wind sensor closes the window automatically whenever it detects any heavy wind or rain and makes the window incredibly functional and remote.

// ISC₁ E2 // ISC₂ E2



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit	E2  double glazing gas - argon warm spacer low emission coat toughened pane 4H/16/4T (AR) Ug = 1,0 W/m²K	E2  double glazing gas - argon warm spacer low emission coat toughened panea 4H/16/4T (AR) Ug = 1,0 W/m²K
Carpentry	SOLID+ impregnated pine wood three coats of varnish	SOLID+ impregnated pine wood three coats of varnish
Gaskets	4	4
Ventilator	-	-
Handle	-	-
Roof pitch		
Electric control	 electric motor 230V with remote control AP4	 electric motor 230V with AWN switch
Automatic control	 rain sensor	

Energy-saving double-glazed windows

WINDOW 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
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISC₁E2	[shaded area]														
ISC₂E2	[shaded area]														
available sizes	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]	[shaded area]



Okna obrotowe PVC

with electric motor


The quick and easy control of the window by the remote control or the wall switch makes the window with electric motor an ideal solution for places that are normally quite difficult to access. A special rain and wind sensor closes the window automatically whenever it detects any heavy wind or rain and makes the window incredibly functional. These windows can be easily adapted as a part of the smart home system. What is more, PVC windows do not need any maintenance and can be mounted in rooms with increased humidity as well.




// IGC₁ V E2 // IGC₂ V E2

Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit	E2	double glazing gas - argon warm spacer low emission coat toughened pane
		
	4H/16/4T (AR)	U _g = 1,0 W/m ² K

Glazing unit	E2	double glazing gas - argon warm spacer low emission coat toughened panea
		
	4H/16/4T (AR)	U _g = 1,0 W/m ² K

Carpentry	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors
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Carpentry	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors
------------------	---

Gaskets	4	4
----------------	---	---

Ventilator		
-------------------	---	--

Handle	-	-
---------------	---	---

Roof pitch		
-------------------	---	--

Electric control	 electric engine 230V with remote control AP4	 electric motor 230V with AWN switch
-------------------------	---	---

Automatic control	 rain sensor
--------------------------	---

WINDOW SIZES

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
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
IGC₁V E2															
IGC₂V E2															
available sizes															



L-shaped wooden windows

The L-shaped window is a fashionable way to create a bright and spacious loft arrangement. Its unobvious design takes a large glazing area and enlightens the whole room with precious natural sunlight. The L-shaped windows look stunning both outside and inside and positively affect on indoors design. They are made especially for rooms with a knee-shaped walls.



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

// IKDU E2 // IKDN FIP E2



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



U VALUE
OF WINDOW
U_w = 1,2
W/m²K



U VALUE
OF WINDOW
U_w = 1,2
W/m²K

Glazing unit

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR) Ug = 1,0 W/m²K

E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR) Ug = 1,0 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

Gaskets

4


4

Ventilator

-

-

Handle

 with key lock and
micro-ventilation

-

WINDOW SIZES

Window type	Window size: width x height [cm]																		
	66x60	66x75	66x95	66x115	66x137	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	94x137	114x60	114x75	114x95	
IKDU E2																			
IKDN FIP E2																			

L-SHAPED FLASHING SIZES AND PRICES

flashing symbol	size: width x height [cm] size symbol	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		03	04	15	05	06	07	13	08	09	14	10	11	12
UKS	for L-shaped complexes for flat or profiled covers up to 5cm high in connection of roof window with geniculate window													
available sizes														



Centre-pivot wooden windows

The main aim we had on our mind while designing centre-pivot windows was to save as much thermal energy inside the building as possible, even in cases of the most demanding constructions. Their triple-glazed variant contains 36mm thick units equipped with two low emission coats which help to acquire maximum profits form sunlight and to reduce thermal loss as well. The pivot hinge located in the middle of the sash enables 180 degree rotation of the window.

// ISO 122 // ISO 16 // ISO 13



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



NEW 2018
WINDOW
UNIQUELY
ENERGY-SAVING



Glazing unit	I22	I6	I3
	 triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane 4TH/12/4/12/AT (AR) U _g = 0,7 W/m ² K	 triple glazing gas - argon 2x warm spacer 2x low emission coat 2 toughened panes coating ANTI-DEW 4 DRY H/12/4TH/12/4T (AR) U _g = 0,7 W/m ² K	 triple glazing gas - crypton 2x warm spacer 2x low emission coat 2 toughened panes coating ANTI-DEW 4 DRY H/12/4TH/12/4T(KR) U _g = 0,5 W/m ² K
Carpentry	SOLID+ impregnated pine wood three coats of varnish	SOLID+ impregnated pine wood three coats of varnish	SOLID+ impregnated pine wood three coats of varnish
Gaskets	4	4	4
Ventilator			
Handle	 with key lock and micro-ventilation	 with key lock and micro-ventilation	 with key lock and micro-ventilation
Roof pitch	 15° - 90°	 15° - 90°	 15° - 90°

WINDOW SIZES

glazing area [m ²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12	
size symbol																
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98	
ISO I22	[Available]															
ISO I6	[Available]															
ISO I3	[Available]															
avliable sizes	[Available]															

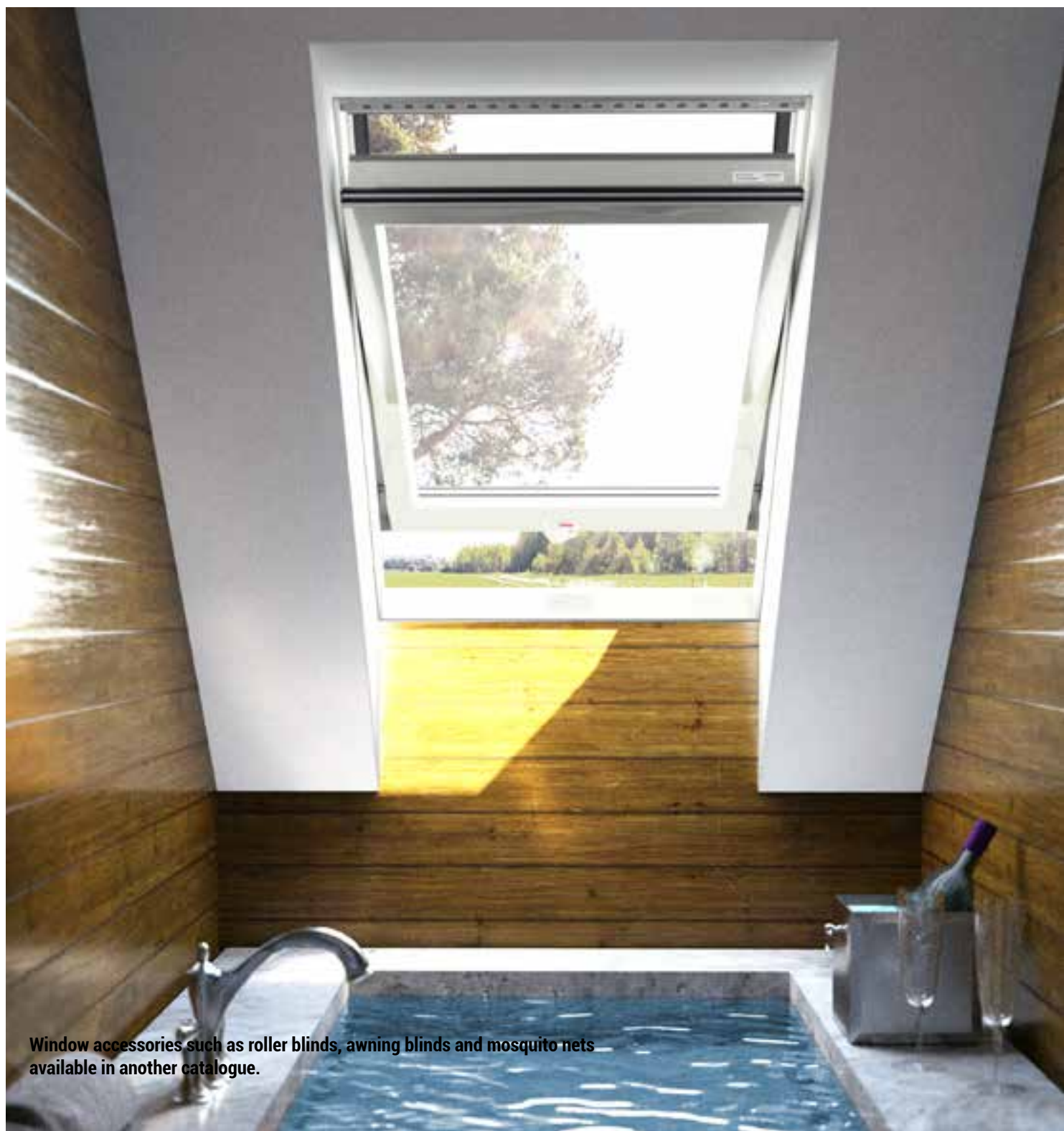
Flashing types on pages 48-49.



Centre-pivot PVC windows

The most advanced offer to our customers in the subject of energy-saving centre-pivot PVC windows are models equipped with triple-glazed unit and warm spacer. We combined high thermal parameters with convenience of use. The Neo-Vent ventilator placed inside the frame and the handle with a key lock and micro-ventilation function enable the efficient air stream regulation both summer and winter. The low emission coat maximizes the profits from the sunlight. PVC windows do not need any maintenance.

// IGOV N22 // IGOV N23



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



NEW 2018
WINDOW
UNIQUELY
ENERGY-SAVING



U VALUE
OF WINDOW
Uw = 0,83
W/m²K



U VALUE
OF WINDOW
Uw = 0,83
W/m²K

Glazing unit



N22 triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane

4TH/18/4/18/4T (AR) Ug = 0,5 W/m²K



N23 triple glazing
triple glazing
gas - argon
2x warm spacer
2x low emission coat
safe laminated pane P2A
toughened external pane

4TH/18/4/16/33.2T (AR) Ug = 0,5 W/m²K

Carpentry

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam;
resistant to atmospherical factors

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam;
resistant to atmospherical factors

Gaskets

4

4

Ventilator



Handle



with key lock
and micro-ventilation



with key lock
and micro-ventilation

Roof pitch



WINDOW SIZES

glazing area [m ²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12	
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12	
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98	
IGOV N22	[Shaded cells indicating availability]															
IGOV N23	[Shaded cells indicating availability]															
available sizes	[Shaded cells indicating availability]															



Top-hung windows

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 the smooth regulation of the sash in 0-30 degrees angle and 60-degree opening. At any times, the window does not take any place of the room - that ensures not only the incredible ease of movement but also the 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.

// ISK 13 // IGKV N22



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



	ISK I3	IGKV N22
Glazing unit	<p>I3 triple glazing gas - krypton 2x warm spacer 2x low emission coat 2 toughened panes coating ANTI-DEW</p> <p>4 DRY H/12/4TH/12/4T(KR) Ug = 0,5 W/m²K</p>	<p>N22 triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane</p> <p>4TH/18/4/18/4T (AR) Ug = 0,5 W/m²K</p>
Carpentry	SOLID+ impregnated pine wood three coats of varnish	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors
Gaskets	4	4
Ventilator		
Handle	with key lock and micro-ventilation	with key lock and micro-ventilation
Roof pitch	15° - 65°	15° - 65°

WINDOW SIZES		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
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
size symbol		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]		55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISK I3																
IGKV N22																
available sizes																



Centre-pivot wooden windows

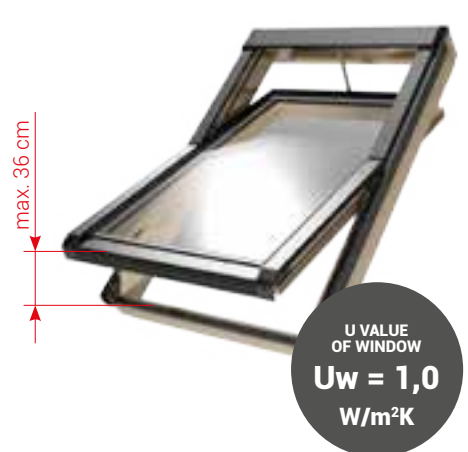
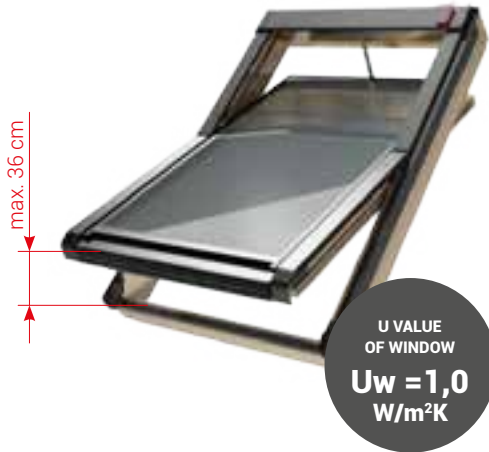
with electric motor

The contactless control via remote control or wall switch makes the window with electric motor an ideal solution for places that are normally quite difficult to access. A special rain and wind sensor closes the window automatically whenever it detects any heavy wind or rain and makes the window incredibly functional.

// ISC₁ I22 // ISC₂ I22



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit

I22

triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane



4TH/12/4/12/4T (AR)

U_g = 0,7 W/m²K

I22

triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane



4TH/12/4/12/4T(AR)

U_g = 0,7 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

Gaskets

4

4

Ventilator

-

-

Handle

-

-

Roof pitch



Electric control



electric motor 230V with remote control AP4



electric motor 230V with AWN switch

Automatic control



rain sensor

WINDOW SIZES

glazing area [m ²]	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
size symbol	01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
ISC ₁ I22															
ISC ₂ I22															
available sizes															

excluding VAT
including VAT



Centre-pivot PVC windows

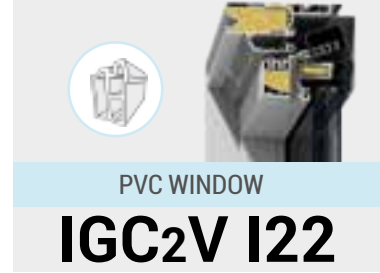
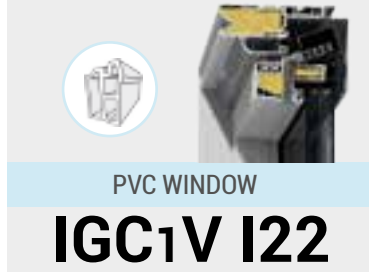
with electric motor


The quick and easy control of the window by the remote control or the wall switch makes the window with electric motor an ideal solution for places that are normally quite difficult to access. A special rain and wind sensor closes the window automatically whenever it detects any heavy wind or rain and makes the window incredibly functional. These windows can be easily adapted as a part of the smart home system. What is more, PVC windows do not need any maintenance and can be mounted in rooms with increased humidity as well.




// IGC₁ V I22 // IGC₂ V I22

Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



Glazing unit	I22	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane
		
	4TH/12/4/12/4T(AR)	U _g = 0,7 W/m ² K

Glazing unit	I22	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane
		
	4TH/12/4/12/4T(AR)	U _g = 0,7 W/m ² K

Carpentry | SOLID+
impregnated pine wood
three coats of varnish

Carpentry | SOLID+
impregnated pine wood
three coats of varnish

Gaskets | 4

4

Ventilator | -

-


Handle | -

-

Roof pitch |  15° - 90°

 15° - 90°

Electric control |  electric motor 230V with remote control AP4

 electric motor 230V with AWN switch

Automatic control |  rain sensor

WINDOW SIZES

glazing area [m ²]	01	02	03	04	05	06	07	08	09	10	11	12
size symbol	01	02	03	04	05	06	07	08	09	10	11	12
window size: width x height [cm]	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160
IGC ₁ V I22												
IGC ₂ V I22												
available sizes												



L-shaped wooden windows

The main aim we had on our minds while designing the L-shaped windows was to combine the advantages of both roof and facade windows. They provide a lot of natural sunlight in the room - the best effect you will get by combining such windows into blocks ("KOMBI montage" - 2 and more windows right next to each other). The IKDU construction enables opening the bottom sash - thanks to this function full room can be aired properly. Another element that increases the functionality of L-shaped windows is a special ANTI-DEW coating that reduces the water vapour condensation on the external glass and makes the view pure and clear. Convenience is not the only advantage of these windows - they are energy saving as well. Produced due to SuperThermo technology they have really good thermal insulation parameters.

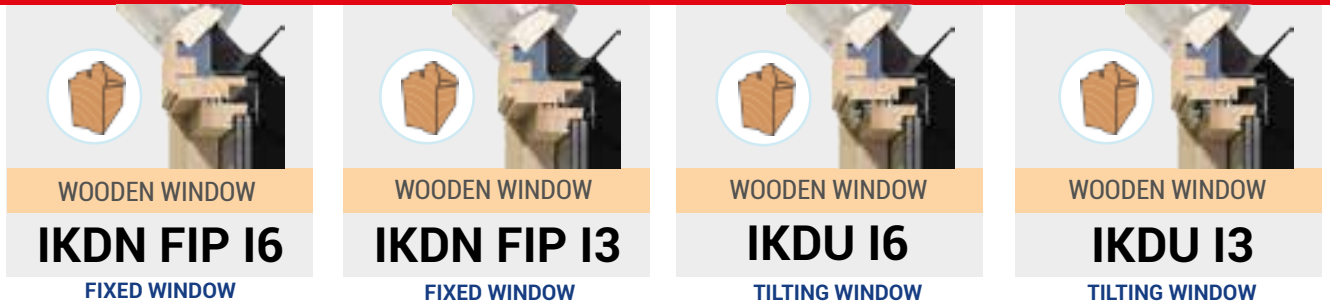


X - Standard size of flashing cover and wind deflector is 70cm

// IKDN FIP 16 // IKDN FIP 13 // IKDU I6 // IKDU I3



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



WOODEN WINDOW
IKDN FIP I6
FIXED WINDOW

WOODEN WINDOW
IKDN FIP I3
FIXED WINDOW

WOODEN WINDOW
IKDU I6
TILTING WINDOW

WOODEN WINDOW
IKDU I3
TILTING WINDOW



U VALUE OF WINDOW
Uw = 1,0
W/m²K



U VALUE OF WINDOW
Uw = 0,93
W/m²K



U VALUE OF WINDOW
Uw = 1,0
W/m²K



U VALUE OF WINDOW
Uw = 0,93
W/m²K

Glazing unit

triple glazing
gas - argon
2x warm spacer
2x low emission coat
2 toughened panes
ANTI-DEW coating

triple glazing
gas - krypton
2x warm spacer
2x low emission coat
2 toughened panes
ANTI-DEW coating

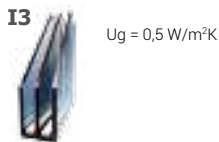
triple glazing
gas - argon
2x warm spacer
2x low emission coat
2 toughened panes
ANTI-DEW coating

triple glazing
gas - krypton
2x warm spacer
2x low emission coat
2 toughened panes
ANTI-DEW coating



I6 Ug = 0,7 W/m²K

4 DRY H /12/4TH/12/4T (AR)



I3 Ug = 0,5 W/m²K

4 DRY H /12/4TH/12/4T (KR)



I6 Ug = 0,7 W/m²K

4 DRY H /12/4TH/12/4T (AR)



I3 Ug = 0,5 W/m²K

4 DRY H /12/4TH/12/4T (KR)

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

Gaskets

4

4


4


4

Handle

-

-

 with key lock and micro-ventilation

 with key lock and micro-ventilation

WINDOW SIZES

Window type	window size: width x height [cm]																		
	66x60	66x75	66x95	66x115	66x137	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	94x137	114x60	114x75	114x95	
IKDN FIP I6	Available																		
IKDU FIP I3	Available																		
IKDU I6	Available																		
IKDU I3	Available																		

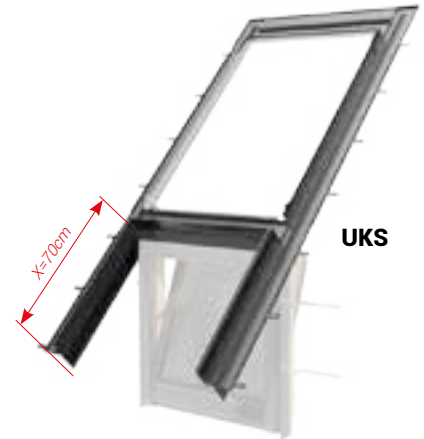
L-SHAPED FLASHING SIZES AND PRICES

flashing symbol	size: width x height [cm] size symbol	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98	
		03	04	15	05	06	07	13	08	09	14	10	11	12	
UKS	for L-shaped complexes for flat or profiled covers up to 5cm high in connection of roof window with geniculate window	Available													
available sizes		Available													



L-shaped wooden windows

The main aim we had on our minds while designing the L-shaped windows was to combine the advantages of both roof and facade windows. They provide a lot of natural sunlight in the room - the best effect you will get by combining such windows into blocks ("KOMBI montage" - 2 and more windows right next to each other). The IKDU construction enables opening the bottom sash - thanks to this function full room can be aired properly.




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

// IKDN FIP 122 // IKDU I22 //




Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.



WOODEN WINDOW

IKDN FIP I22

FIXED WINDOW



WOODEN WINDOW

IKDU I22

TILTING WINDOW



U VALUE OF WINDOW
U_w = 1,0
W/m²K



U VALUE OF WINDOW
U_w = 1,0
W/m²K

Glazing unit

triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane

triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane

I22



U_g = 0,7 W/m²K

4TH/12/4/12/4T(AR)

I22



U_g = 0,7 W/m²K

4TH/12/4/12/4T(AR)

Carpentry

4

4

Gaskets

SOLID+
impregnated pine wood
three coats of varnish

SOLID+
impregnated pine wood
three coats of varnish

Handle

-



with key lock and micro-ventilation

WINDOW SIZES

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

L-SHAPED FLASHING SIZES AND PRICES

flashing symbol	size: width x height [cm] size symbol	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		03	04	15	05	06	07	13	08	09	14	10	11	12
UKS	for L-shaped complexes for flat or profiled covers up to 5cm high in connection of roof window with geniculate window													
available sizes														



L-shaped PVC windows

The main aim we had on our minds while designing the L-shaped windows was to combine the advantages of both roof and facade windows. They provide a lot of natural sunlight in the room - the best effect you will get by combining such windows into blocks ("KOMBI montage" - 2 and more windows right next to each other). The IKDU construction enables opening the bottom sash - thanks to this function full room can be aired properly. Additionally, PVC windows are resistant to atmospheric factors and can be used in rooms with increased humidity level.

















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

// KPVCN N22 // KPVCU N22 // KPVCV N22 // KPVCW N22 // KPVCX N22 // KPVCY N22 // KPVCZ N22



Window accessories such as roller blinds, awning blinds and mosquito nets available in another catalogue.

	KPVCL N22	KPVCP N22	KPVCU N22	KPVCN N22
				
	PVC WINDOW	PVC WINDOW	PVC WINDOW	PVC WINDOW
	KPVCL N22	KPVCP N22	KPVCU N22	KPVCN N22
	TILT-AND-TURN WINDOW OPENED TO THE LEFT	TILT-AND-TURN WINDOW OPENED TO THE RIGHT	TILTING WINDOW	FIXED WINDOW GLAZED INSIDE OF THE FRAME
				
	U VALUE OF WINDOW Uw = 0,98 W/m²K	U VALUE OF WINDOW Uw = 0,98 W/m²K	U VALUE OF WINDOW Uw = 0,98 W/m²K	U VALUE OF WINDOW Uw = 0,98 W/m²K
Glazing unit	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane	triple glazing gas - argon 2x warm spacer 2x low emission coat toughened external pane
	 Ug = 0,5 W/m²K	 Ug = 0,5 W/m²K	 Ug = 0,5 W/m²K	 Ug = 0,5 W/m²K
	4TH/18/4/18/4T (AR)	4TH/18/4/18/4T (AR)	4TH/18/4/18/4T (AR)	4TH/18/4/18/4T (AR)
Carpentry	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors	SOLID+ multi-chambered PVC profiles in white; frame fulfilled with PU foam; resistant to atmospherical factors
Gaskets	3	3.	3	2
Handle	 with key lock and micro-ventilation	 with key lock and micro-ventilation	 with key lock and micro-ventilation	-

WINDOW SIZES AND PRICES

Model okna	Wymiary okna: szerokość x wysokość [cm]																		
	66x60	66x75	66x95	66x115	66x137	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	94x137	114x60	114x75	114x95	
KPVCL N22																			
KPVCP N22																			
KPVCU N22																			
KPVCN FIX N22																			

L-SHAPED FLASHING SIZES AND PRICES

flashing symbol	size: width x height [cm] size symbol	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		03	04	15	05	06	07	13	08	09	14	10	11	12
UKS	for L-shaped complexes for flat or profiled covers up to 5cm high in connection of roof window with geniculate window													
available sizes														



Wooden skylights

for habitable areas | top hinged

// ISW+ E2 // ISW E2





U VALUE
OF WINDOW
**U_w = 1,2
W/m²K**



U VALUE
OF WINDOW
**U_w = 1,2
W/m²K**

Opening way | top-hinged

top-hinged

Glazing
unit



E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR)

U_g = 1,0 W/m²K



E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR)

U_g = 1,0 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+

impregnated pine wood
three coats of varnish

Gaskets

4

4

Ventilator

-

-

Handle



with key lock
and micro-ventilation



with key lock
and micro-ventilation

Roof
pitch



Hydraulic
cylinders

help to open the sash smoothly
in 30 degree angle

-

Vapour permeable
underfelt collar



improves anti-humidity insulation
thanks to the tighter connection
with existing roofing felt

-

WINDOW SIZES

glazing area [m ²]	0,23	0,30	0,40	0,48
size symbol	01	02	03	05
window size: width x height [cm]	55x78	55x98	66x98	78x98
ISW+ E2				
ISW E2				
available sizes				

Other flashing types on pages 48-49.



PVC skylights

for habitable areas | top-hinged

// IGWX+ E2 // IGWX E2





U VALUE
OF WINDOW
Uw = 1,2
W/m²K



U VALUE
OF WINDOW
Uw = 1,2
W/m²K

Opening way | top-hinged

Glazing unit



E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR)

Ug = 1,0 W/m²K

Carpentry

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam; resistant to
atmospherical factors

Gaskets

4 szt.

Ventilator

-

Handle



with key lock
and micro-ventilation

Roof pitch



Hydraulic cylinders

help to open the sash smoothly
in 30 degree angle

Vapour permeable underfelt collar



improves anti-humidity insulation
thanks to the tighter connection
with existing roofing felt

Opening way | top-hinged

Glazing unit



E2 double glazing
gas - argon
warm spacer
low emission coat
toughened pane

4H/16/4T (AR)

Ug = 1,0 W/m²K

Carpentry

SOLID+
multi-chambered PVC profiles in white;
frame fulfilled with PU foam; resistant to
atmospherical factors

Gaskets

-



with key lock
and micro-ventilation



Hydraulic cylinders

help to open the sash smoothly
in 30 degree angle

Vapour permeable underfelt collar

improves anti-humidity insulation
thanks to the tighter connection
with existing roofing felt

WINDOW SIZES

glazing area [m ²]	0.23	0.30	0.40	0.48
size symbol	01	02	03	05
window size: width x height [cm]	55x78	55x98	66x98	78x98
IGWX+ E2				
IGWX E2				
available sizes				

Other flashing types on pages 48-49.



Wooden and PVC skylights

for habitable areas | top-hinged

// ISW 122 // IGWX N22





WOODEN SKYLIGHT

ISW I22



PVC SKYLIGHT

IGWX N22

NEW 2018
SKYLIGHT
TRIPLE-GLAZED



U VALUE
OF SKYLIGHT
U_w = 1,0
W/m²K



U VALUE
OF SKYLIGHT
U_w = 0,86
W/m²K

Opening way | top-hinged

top-hinged

Glazing
unit



I22 triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane

4TH/12/4/12/4T(AR)

U_g = 0,7 W/m²K



N22 triple glazing
gas - argon
2x warm spacer
2x low emission coat
toughened external pane

4TH/18/4/18/4T (AR)

U_g = 0,5 W/m²K

Carpentry

SOLID+
impregnated pine wood
three coats of varnish

SOLID+

multi-chambered PVC profiles in white;
frame fulfilled with PU foam; resistant to
atmospherical factors

Gaskets

4

4

Ventilator

-

-

Handle



with key lock
and micro-ventilation



with key lock
and micro-ventilation

Roof
pitch



Hydraulic
cylinders

help to open the sash smoothly
in 30 degree angle

help to open the sash smoothly
in 30 degree angle

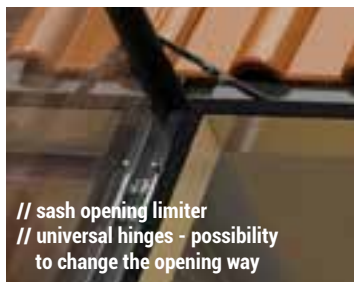
WINDOW SIZES

glazing area [m ²]	0,23	0,30	0,40	0,48
size symbol	01	02	03	05
window size: width x height [cm]	55x78	55x98	66x98	78x98
ISW I22				
IGWX N22				
available sizes				

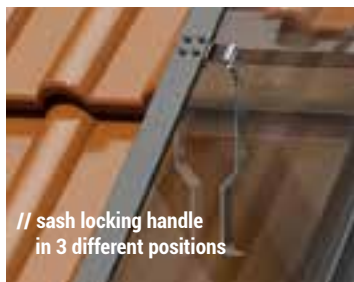


Wooden skylights

for non-habitable areas



// 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



// lead apron glued with butyl



// WVD+
// WVM+



Opening way

top-hinged

side-hung to the right or to the left (with a possibility to change the opening way)

Glazing unit

V2



double glazing
toughened pane (hailstorm safety)

3H/8/3 (AR)

V2



V3



double glazing
toughened pane (hailstorm safety)
V3 - two toughened panes in 80x80 cm size

3H/8/3 (AR) 3H/8/3H (AR)

Carpentry

impregnated pine wood

impregnated pine wood

Vapour permeable underfelt collar



improves anti-humidity insulation thanks to the tighter connection with existing roofing felt



improves anti-humidity insulation thanks to the tighter connection with existing roofing felt

Standard equipment




tile support
opening restrictor
threshold
integrated U-flashing with lead apron
sealing wedges
gutter
sash locking handle in 3 positions

tile support
opening restrictor
threshold
integrated U-flashing with lead apron
sealing wedges
gutter
sash locking handle in 3 positions

Roof pitch



WINDOW SIZES

glazing area [m2]			
size symbol	01	02	03
window size: width x height [cm]	47x57	47x73	80x80
WVM+			
WVD+			
available sizes			



Windows customized to your own preferences

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

There is a possibility to order a window in a shape adjusted to the roof format. These windows are priced individually.



NON-STANDARD FLASHING



TITAN-ZINC



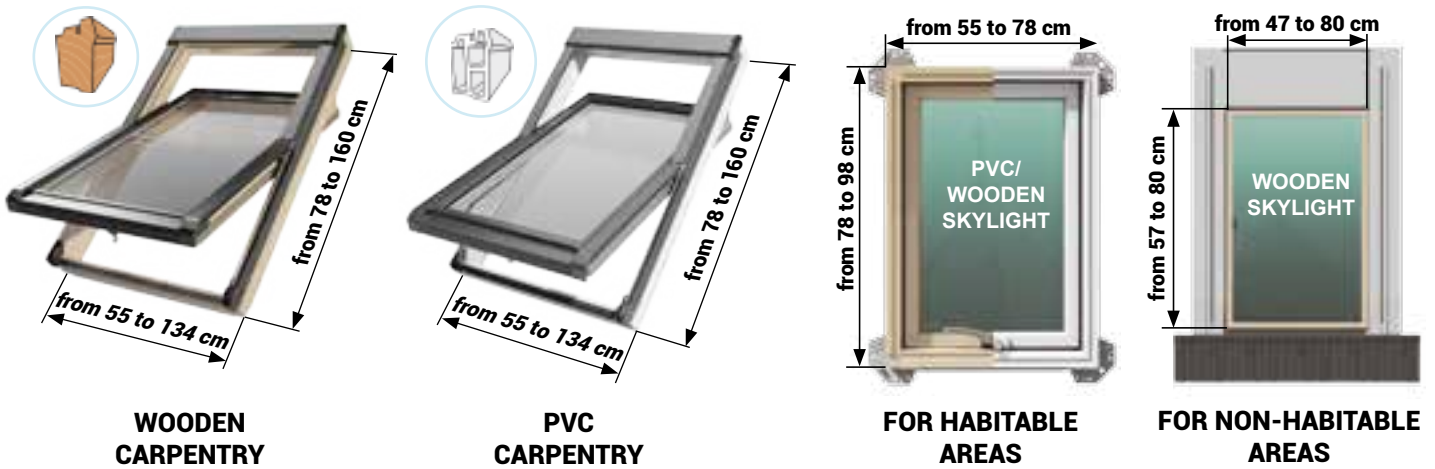
COPPER



THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE

NON-STANDARD SIZES OF WINDOWS AND SKYLIGHTS:

WIDTH AND HEIGHT ADJUSTED WITH 1cm PRECISION



NON-STANDARD FLASHING COLOURS

POWDER PAINTED IN RAL COLOURS



EXTRA PAYMENT FOR FLASHING PAINTING (colours from RAL palette)

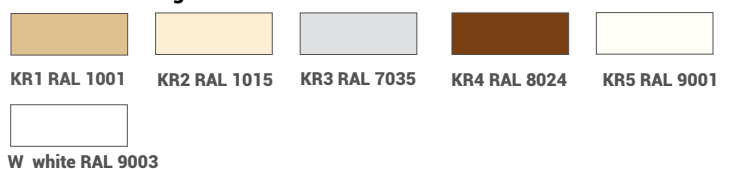
Product	Painting type	Window size: width x height [cm]													
		55x78 01	55x98 02	66x98 03	66x118 04	66x140 15	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	94x160 14	114x118 10	114x140 11
window	RAL	THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE													
flashing	RAL														
window + flashing	RAL														

NON-STANDARD WOODEN CARPENTRY COLOURS

KL - transparent



KR - RAL covering



EXTRA PAYMENT FOR CARPENTRY PAINTING (colours from pattern)

Product	Painting type	Window size: 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
sash + frame	white RAL 9003	THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE													
sash + frame	transparent/ covering														

Windows customized to your preferences



Sealing flashings

Sealing flashings



SIZES

flashing symbol	Window size: 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
U	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
P	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
H	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
L	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
LH	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
D	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
UKS	universal for wooden windows		x	x	x	x	x	x	x	x	x	x	x	x	x
UKG	universal for PVC windows		x	x	x	x	x	x	x	x	x	x	x	x	x

U



UNIVERSAL

Enables connection of the window with flat and profiled roofing up to 5 cm height. Made of aluminum covered with polyester.

Colour RAL 7022



P



FOR FLAT ROOFING MATERIALS

Enables the connection of the window with flat roofings up to 1 cm height such as roofing felt or roof shingle. Made of aluminum covered with polyester.

Colour RAL 7022



H



FOR HIGH PROFILED ROOFING MATERIALS

The flashing can be used to connect the roof window with roofing materials up to 9 cm high. Thanks to the lead apron, these flashings are tight enough for such high roofing materials.

Colour RAL 7022



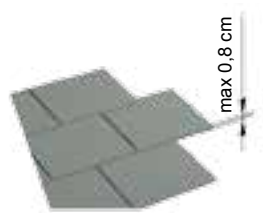
L



FOR SLATES

These flashings help to connect the window with roofing materials up to 0,8 cm high. Made of aluminum covered with polyester.

Colour RAL 7022



LH



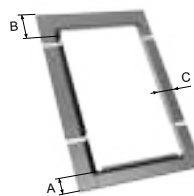
FOR PLAIN TILE

Enables connection between the roof window and plain tiles from 1,2 to 1,6 cm high. Made of aluminum covered with polyester.

Colour RAL 7022



R

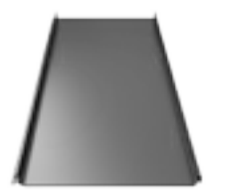


FOR METAL STANDING SEAM

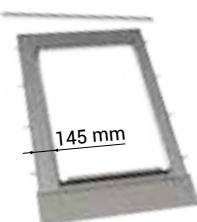
Because of this flashing, the connection between the roof window and metal standing seam roofing is much easier and aesthetically pleasing. Made of aluminum covered with polyester.

Colour RAL 7022

A = 125mm, B = 230mm, C = 150mm



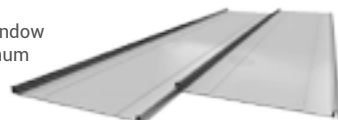
BP



FOR PANEL SHEET

Enables connection between the roof window and panel sheet roofing. Made of aluminum covered with polyester.

Colour RAL 7022



D



FOR FLAT TILES

Helps to connect the roof window with flat roof tiles up to 4 cm high.

Colour RAL 7022



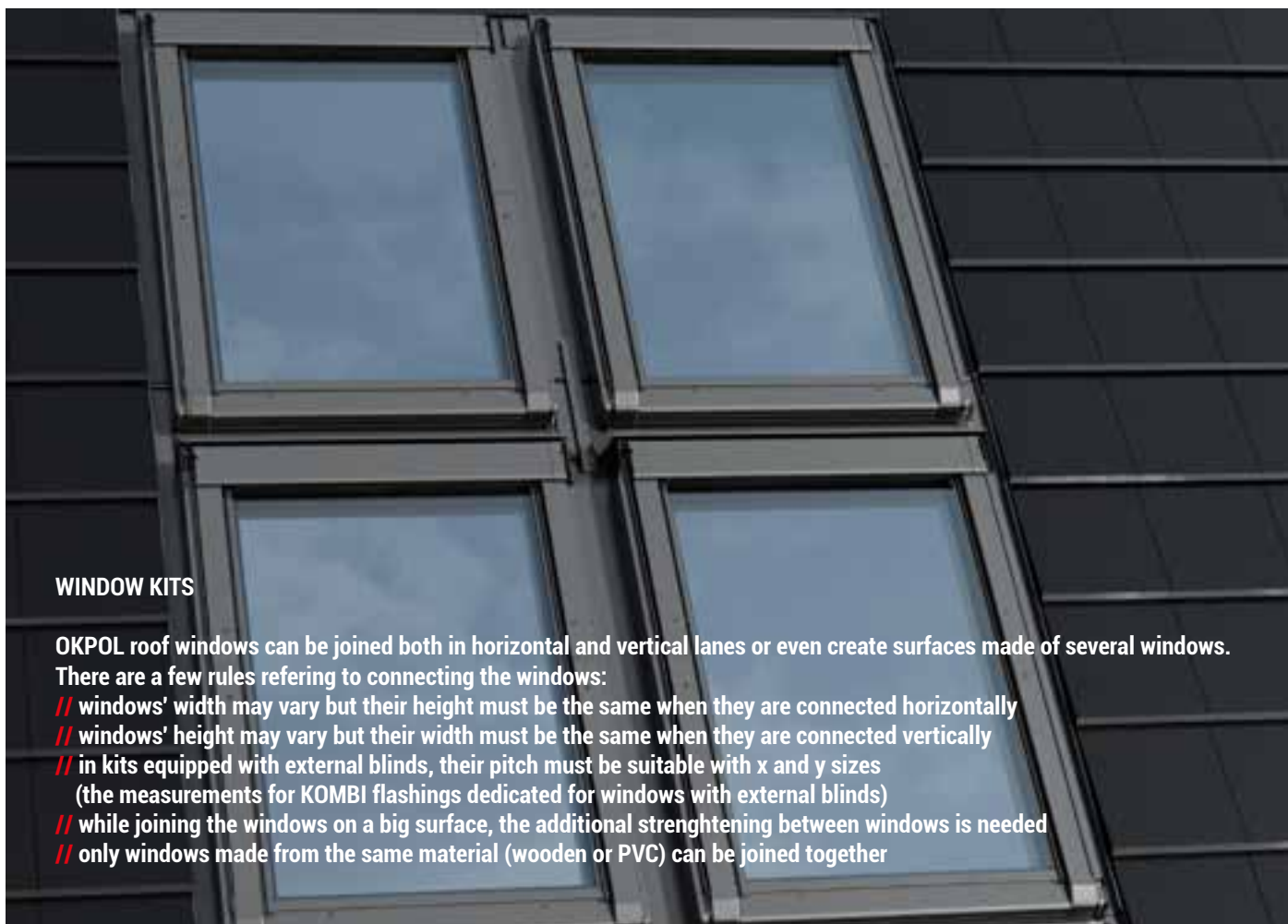
Sealing flashings

* Customized flashings need consultation with technical sales advisor or customer service office.



KOMBI FLASHINGS

KOMBI flashings



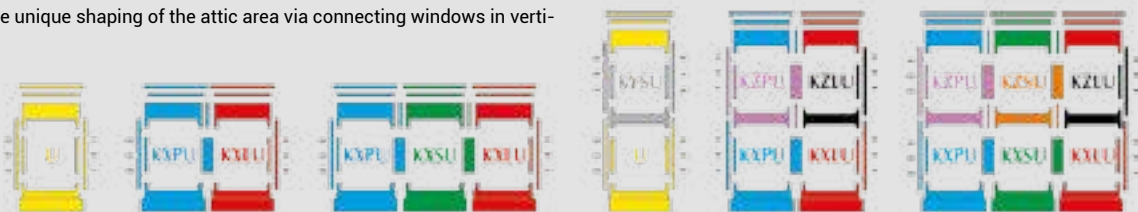
WINDOW KITS

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

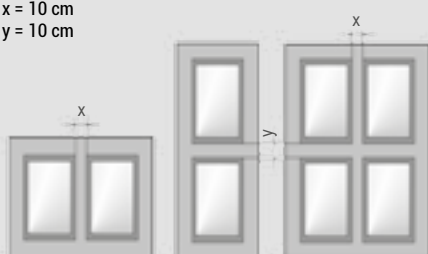
KOMBI flashings enable the unique shaping of the attic area via connecting windows in vertical and horizontal groups.



look from the outside

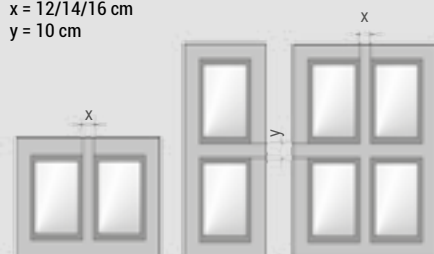
standard measurements in KOMBI flashings

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
y = 25 cm



KOMBI ELEMENTS FOR UNIVERSAL FLASHINGS (look from the outside)

flashing symbol	size: width x height [cm] size symbol	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
U		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KYSU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KXPU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KXSU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KXLU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KZPU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KZSU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KZLU		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

MOST POPULAR KOMBI FLASHINGS

flashing symbol	size: width x height [cm] size symbol	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
UNIVERSAL FLASHING	KX2U		KXPU+KXLU	X	X	X	X	X	X	X	X	X	X	X	X	X
	KY2U		KYSU+U	X	X	X	X	X	X	X	X	X	X	X	X	X
	KZ4U		KZPU+KZLU +KXPU+KXLU	X	X	X	X	X	X	X	X	X	X	X	X	X
FLASHING FOR FLAT ROOFING MATERIAL	KX2P		KXPP+KXLP	X	X	X	X	X	X	X	X	X	X	X	X	X
	KY2P		KYSP+P	X	X	X	X	X	X	X	X	X	X	X	X	X
	KZ4P		KZPP+KZLP +KXPP+KXLP	X	X	X	X	X	X	X	X	X	X	X	X	X
FLASHING FOR HIGH PROFILED ROOFING MATERIAL	KX2H		KXPH+KXLH	X	X	X	X	X	X	X	X	X	X	X	X	X
	KY2H		KYSH+H	X	X	X	X	X	X	X	X	X	X	X	X	X
	KZ4H		KZPH+KZLH +KXPH+KXLH	X	X	X	X	X	X	X	X	X	X	X	X	X
FLASHING FOR SLATES	KX2L		KXPL+KXLL	X	X	X	X	X	X	X	X	X	X	X	X	X
	KY2L		KYSL+L	X	X	X	X	X	X	X	X	X	X	X	X	X
	KZ4L		KZPL+KZLL +KXPL+KXLL	X	X	X	X	X	X	X	X	X	X	X	X	X
FLASHING FOR PLAIN TILES	KX2LH		KXPLH+KXLLH	X	X	X	X	X	X	X	X	X	X	X	X	X
	KY2LH		KYSLH+LH	X	X	X	X	X	X	X	X	X	X	X	X	X
	KZ4LH		KZPLH+KZLLH +KXPLH+KXLLH	X	X	X	X	X	X	X	X	X	X	X	X	X



Installation accessories

AKP VAPOUR PERMEABLE UNDERFELT COLLAR

- Made of highly-permeable roof membrane.
- Enables connection between the window and the vapour permeable foil.



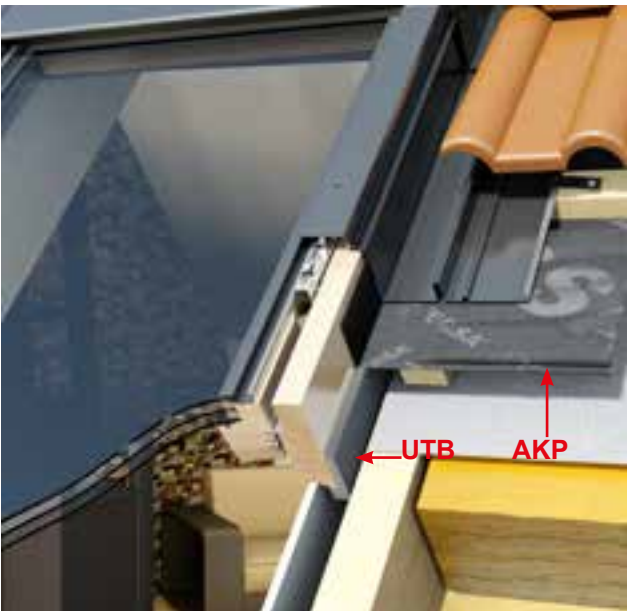
UTB FOILING FOAM

- Fills up the gap between the window frame and the roof.
- Reduces the possibility of thermal bridging via warming the roof window.

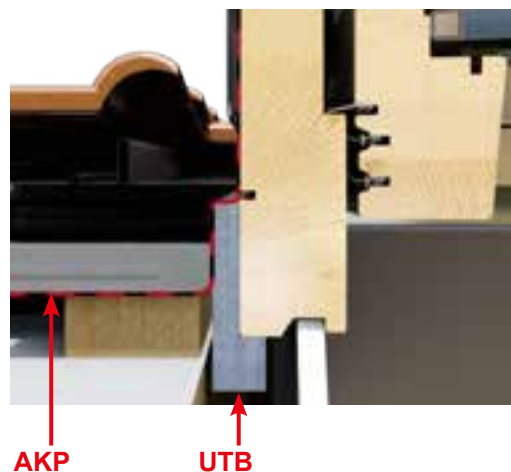


ADO TELESCOPIC CONTROL ROD

Eases the operations on the windows placed very high. 195cm length.



UTB + AKP (WARMING INSTALLATION)



PRICE LIST

type	size: width x height [cm] size symbol	55x78	55x98	66x98	66x118	66x140	78x98	78x118	78x140	78x160	94x118	94x140	94x160	114x118	114x140	134x98
		01	02	03	04	15	05	06	07	13	08	09	14	10	11	12
AKP	underfelt collar	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
UTB	warming foam	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ADO	telescopic control rod (195 cm)								x							

Automatic window control

ACR230 CONTROL UNIT:

- voltage supply 230V
- connection with single motor 230V ASE230
- wind sensor ADD connection
- remote control (AP4)



ACS24 AND ACS23 CONTROL UNIT:

- ACS24 output voltage 24V - 4 inputs, max. 4 motors, 1 motor to each input
- ACS230 output voltage 230V - 4 inputs, max. 16 motors, 4 motors to each input
- wind or rain sensor connection possible
- manual or remote control (wall switch or AP4)



ADW WIND DETECTOR:

- enables automatic closing of window when wind force exceeds predefined values
- including blade system whirling depending on the wind speed
- waterproof cover



ADD RAIN DETECTOR:

- automatically closes the window whenever the sensor gets wet
- insensitive for fog, icing, dew and humidity

CHAIN ACTUATOR ASE24 or ASE 230:

- for opening and closing the windows
- voltage supply 24V ASE24 or 230V ASE 230
- stroke 24 and 36 cm
- absorbed current 0,12A or 0,36A
- speed 10 mm/s or 9,7 mm/s
- time of idle stroke: 26 s or 37 s
- double insulated
- protection class: IP30
- double steel chain installed at the bottom of the frame



AWN WALL SWITCH



AP4 REMOTE CONTROL:

radio remote control (4 channels)



AUTOMATIC WINDOW CONTROL

ACS24	control unit 24V
ACS230	control unit 230V
AP4	remote control
ASE24	actuator 24V
ASE230	actuator 230V
ADD	rain detector
ADW	wind detector
AWN	wall switch
ACR230	control station

SKYLIGHTS PRICE LIST

	model/symbol	U value of window [W/m²K]	equipment	glazing unit	skylight size: width x height [cm]											
					47x57	47x73	80x80	55x78	55x98	66x98	78x98					
FOR NON-HABITABLE AREAS	WOOD	DOUBLE GLAZING	WVD+	-	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										
			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										
FOR HABITABLE AREAS	WOOD	DOUBLE GLAZING	ISW+ 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										
			ISW E2	1,2	handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K										
			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										
	PVC	TRIPLE GLAZING	IGWX E2	1,2	handle with a key lock	double-glazed with toughened external pane, warm spacer, gas - argon, Ug=1,0 W/m²K										
			ISW I22	1,0	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										
			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										

SEALING FLASHING PRICE LIST

flashing symbol	aim	opis	wymiary okna: szerokość x wysokość [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
U	universal	for both flat and profiled roofing materials up to 5cm high															
P	for flat roofs	for flat roofing materials up to 1cm high (such as roofing felt or roof shingle)															
H	for high profiled roofing material	for high profiled roofing materials up to 9 cm high															
L	for slates	for slates up to 0,8 cm high															
LH	for plain tiles	for plain tiles from 1,2 to 1,6 cm high															
R	for special flat roofing materials	for metal standing seam															
BP	for special flat roofing materials	for panel sheet															
D	for flat tilesj	for flat tiles up to 4 cm high															
UKS UKG	for L-shaped windows	for flat or profiled roofing materials up to 5 cm high, roof window connected with L-shaped one (for windows: UKS - wood, UKG - PVC)															

NON-STANDARD WINDOW PRICE LIST

EXTRA PAYMENT FOR PAINTING THE FLASHING (colour from RAL palette)



THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE.

product	painting type	window size: 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
window	RAL	THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE														
flashing	RAL															
window +flashing	RAL															

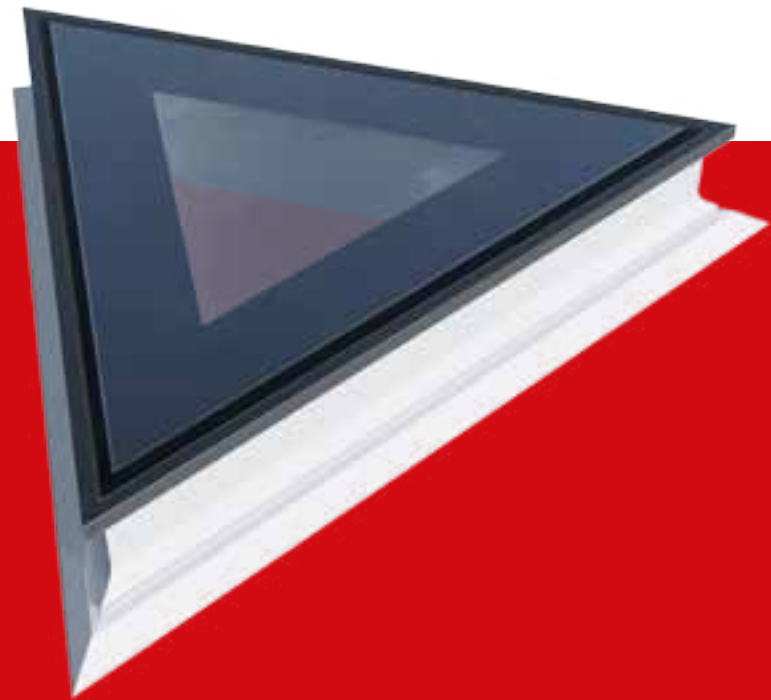
EXTRA PAYMENT FOR CARPENTRY PAINTING (colours from pattern)

product	window size: 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
sash + frame white RAL 9003	THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE														
sash + frame lazur/RAL															

EXTRA PAYMENT FOR NON-STANDARD GLAZING UNITS IN ROOF WINDOWS

from E2	change into	E3	THE NON-STANDARD ORDERS ARE CAN BE COMPLETED AFTER A CONSULTATION WITH TECHNICAL SALES ADVISOR OR CUSTOMER SERVICE OFFICE
from E2	change into	E4	
from E2	change into	E5	
from E8	change into	E6	
from I3	change into	I4	
from I3	change into	I5	
from N22	change into	N24	
from N22	change into	N25	

available sizes



Broaden your perspectives with us
and check:

//
accessories
catalogue

//
flat roof windows
catalogue



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