



WOODEN WINDOW AND DOOR

CATALOGUE





“IT MATTERS NOT WHAT OKLAND WANTS TO SELL,  
BUT WHAT THE CUSTOMER NEEDS AND WANTS TO BUY”



# Wooden windows



## LOOK

modernity, innovative solutions, high elegance and rich colours

## SECURITY

GU UNI-JET fittings provide increased burglar protection (6 anti-breaking latches – WK2)

## STRUCTURAL STABILITY

three- or four-layer bonded wood

## DURABILITY

an ecological varnish for highly transparent colour finishes and good coverage, RAL or NCS coating systems, with an aluminium thermal drip cap by ALURON that protects the wood from UV rays and water dripping from the glass pane

## QUALITY

choice of high quality, selected wood



FEATURES OF OUR WINDOWS



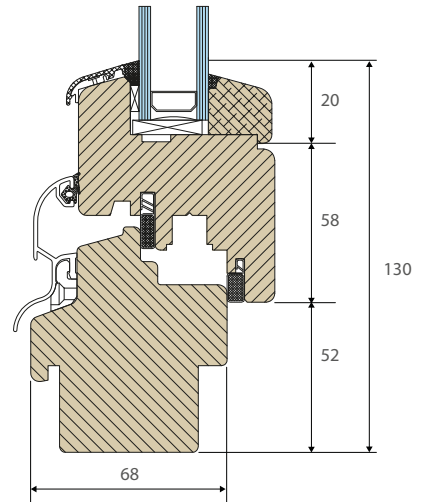
- A natural, warm and flexible material that adds to the room décor
- Low thermal expansion due to temperature fluctuations
- Good thermal insulation of the material
- Better natural infiltration coefficient due to low material density
- Proper wood preservation, for much longer service life than for PVC windows
- Possibility to repair or change the colour of installed windows – renovation
- Soiling is not as visible as on the smooth surface of the usually white plastic windows. Cracks and unsightly scratches are not as visible either
- No release of toxic substances during a fire
- Much lighter than PVC windows with their massive frames
- Humidity level adjustment – in both directions: absorbing excess humidity when it is too high in the building, and releasing humidity inside when it drops too much
- Available in any shape
- High sealing
- Suitable for large glazing due to rigidity
- Diverse colours
- Timber used: pine, oak and exotic wood – red meranti



**U<sub>w</sub>**  
1,3 W/m<sup>2</sup>K\*

## WOODEN WINDOWS







Profile
68 mm



\* Reference double sash window  
wood used: pine or meranti  
with glass pane: 4/16SSP/ONE4TF  
U<sub>g</sub> = 1,0 W/m<sup>2</sup>K  
U<sub>f</sub> = 1,4 W/m<sup>2</sup>K  
Dim. 1230 x 1480 mm



The windows feature high quality of manufacture at a competitive price. They have a modern and aesthetic look due to the soft curves and rounded edges of the wooden window fittings. It is possible to order windows in any shape (triangular, trapezoidal, semi-circular or circular), dimensions and colours.

	WOOD	Bonded wood in three layers, sawn, 68 mm thickness • pine • meranti • oak
	GLASS PANES	Single chamber glass unit $U_g=1,0 \text{ W/m}^2\text{K}$ or $U_g=1,1 \text{ W/m}^2\text{K}$ • standard • secure • burglar proof • acoustic • ornamental etc.
	FITTINGS	Boundary fittings by a German company, GU UNI-JET, with micro-ventilation, window handle misplacement interlock and a single anti-breaking latch
	PAINTS	Acrylic paints by SIGMA COATINGS or GORI, transparent (stain) and RAL or NCS coating paints
	THERMAL DRIP CAP	Aluminium thermal drip cap by ALURON in a modern Soft Line design and unlimited RAL/NCS colours
	MUNTINS AND MULLIONS	Wooden structural adhesive for muntins and mullions
<b>5</b>	WARRANTY	5-year warranty



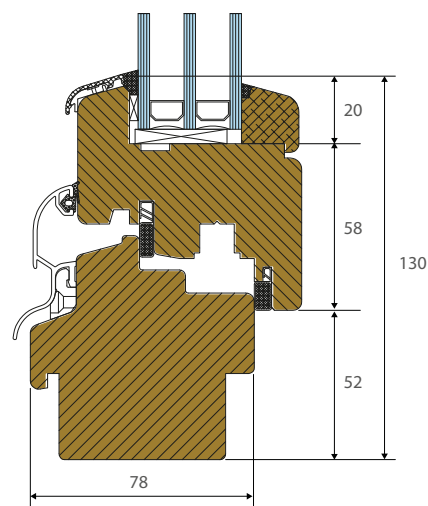


**U<sub>w</sub>**  
1,1 W/m<sup>2</sup>K\*

## WOODEN WINDOWS

Profile
78 mm

## ENERGY-SAVING









\* Reference double sash window  
wood used: pine or meranti  
with glass pane: 4/12SSP/4/12SSP/4TF  
U<sub>g</sub> = 0,7 W/m<sup>2</sup>K  
U<sub>f</sub> = 1,3 W/m<sup>2</sup>K  
Dim. 1230 x 1480 mm





78 mm profile ENERGY-SAVING wooden windows add significantly to the thermal insulation of the building.

	WOOD	Bonded wood in three layers, sawn, 78 mm thickness • pine • meranti • oak
	GLASS PANES	Double chamber glass unit $U_g=0,6 \text{ W/m}^2\text{K}$ or $U_g=0,7 \text{ W/m}^2\text{K}$ • standard • secure • burglar proof • acoustic • ornamental etc.
	FITTINGS	Boundary fittings by a German company, GU UNI-JET, with micro-ventilation, window handle misplacement interlock and a single anti-breaking latch
	PAINTS	Acrylic paints by SIGMA COATINGS or GORI, transparent (stain) and RAL or NCS coating paints
	THERMAL DRIP CAP	Aluminium thermal drip cap by ALURON in a modern Soft Line design and unlimited RAL/NCS colours
	MUNTINS AND MULLIONS	Wooden structural adhesive for muntins and mullions
<b>5</b>	WARRANTY	5-year warranty



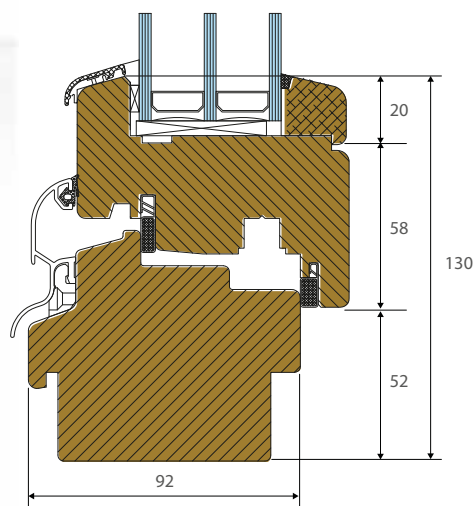


**U<sub>w</sub>**  
0,9 W/m<sup>2</sup>K\*

## WOODEN WINDOWS

Profile
92 mm







## ENERGY-SAVING



\* Reference double sash window  
wood used: pine or meranti  
with glass pane: 4/18SSP/4/18SSP/4Tf  
U<sub>g</sub> = 0,5 W/m<sup>2</sup>K  
U<sub>f</sub> = 1,1 W/m<sup>2</sup>K  
Dim. 1230 x 1480 mm



Energy-saving windows with increased insulation performance, enabling a significant reduction of heat losses in the building, leading to reduced power consumption.

	WOOD	Bonded wood in four-layers, sawn, 92 mm thickness • pine • meranti • oak
	GLASS PANES	Double chamber glass unit $U_g=0,5 \text{ W/m}^2\text{K}$ or $U_g=0,6 \text{ W/m}^2\text{K}$ • standard • secure • burglar proof • acoustic • ornamental etc.
	FITTINGS	Boundary fittings by a German company, GU UNI-JET, with micro-ventilation, window handle misplacement interlock and a single anti-breaking latch
	PAINTS	Acrylic paints by SIGMA COATINGS or GORI, transparent (stain) and RAL or NCS coating paints
	THERMAL DRIP CAP	Aluminium thermal drip cap by ALURON in a modern Soft Line design and unlimited RAL/NCS colours
	MUNTINS AND MULLIONS	Wooden structural adhesive for muntins and mullions
<b>5</b>	WARRANTY	5-year warranty

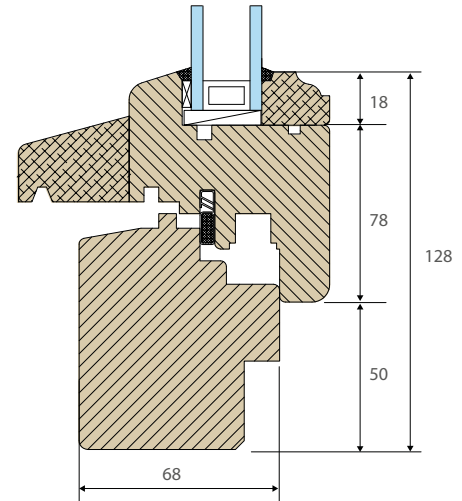




## WOODEN WINDOWS

Retro\*

68 mm / 78 mm



\*Retro windows are made to the customer's order based on Okland technology.

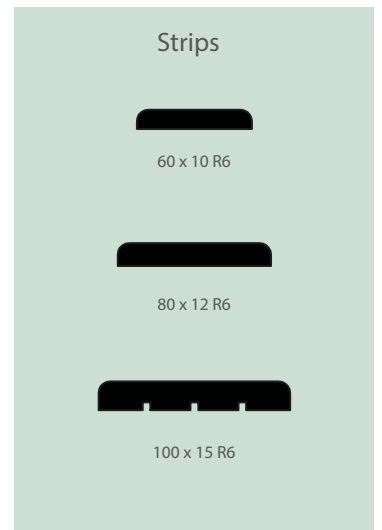
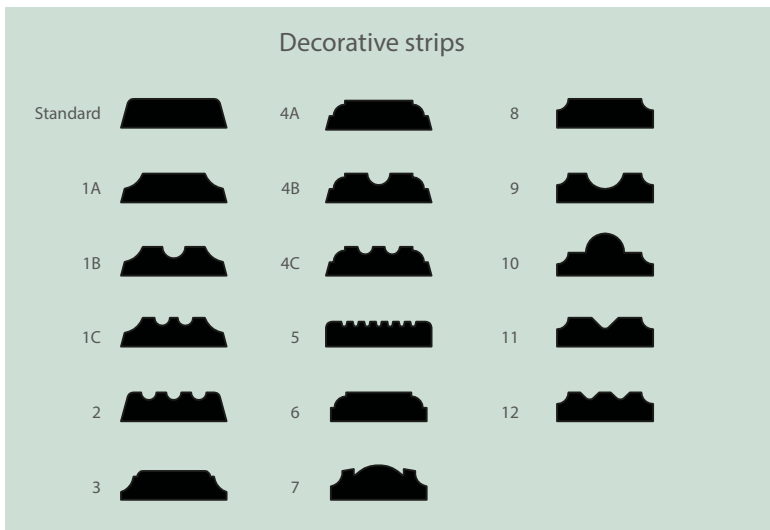


PROFILE 68 and 78 retro windows are a perfect solution for maintaining the historic value of an old property. The unique look of wooden joinery in the retro style is achieved by using wooden decorative features (feet, transom bars, heads and stops), as well as stylised handles and hinges.

The profile offers the style of old windows, while the 21st century technologies ensure the required performance. The rich colour range of the profiles and decorative features allows the final appearance of the windows to be adjusted to the individual needs of the most demanding customers.

## Characteristic features of RETRO-STYLE WINDOWS

- Decorative strips on floating mullions
- Decorative strips on fixed mullions
- Decorative strips on transom bars
- Drip cap enclosure in the lower part of the frame
- Decorated muntins of different types





## WOODEN WINDOWS

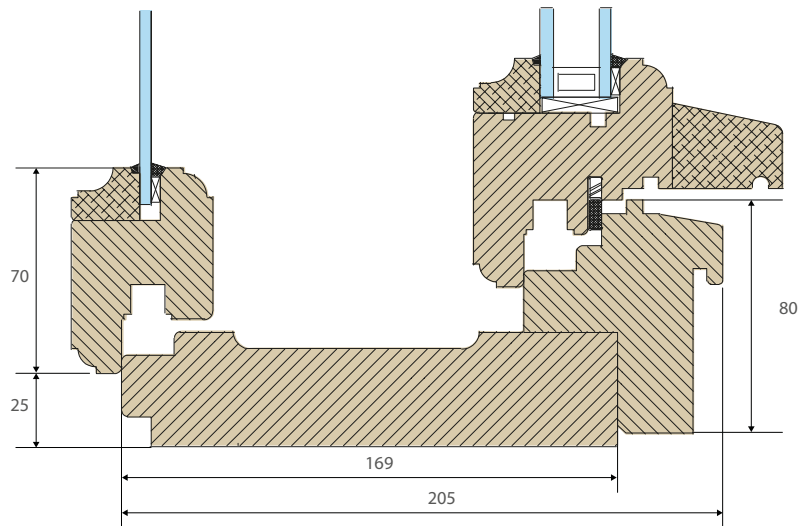
Casement windows \*

\* Casement windows are made to customer's order based on Okland technology



The casement design is part of the traditional Polish solution for good window execution. It is associated with grand manors and mansions, but also with the charming country houses of our forefathers. Conservation requirements often impose the requirement for traditional casement windows in historic buildings.

The structure of a casement window uses the latest technology for single frame wooden windows (including the external sash - a single and double glass unit; and the inside sash - a 4 mm thick single glass pane, for example) and traditional fittings made of solid wood (internal sashes). Our products combine classic beauty with modern technology.



The structure of a casement window uses the latest technology for:

- single sash wooden windows

4/16/4Tf glass unit, 24 mm thick and  $U_g = 1,0 \text{ W/m}^2\text{K}$ , single 4 mm thick glass pane.

- single sash wooden windows

4/12/4/12/4Tf glass unit, 36 mm thick and  $U_g = 0,7 \text{ W/m}^2\text{K}$ , single 4 mm thick glass pane.





**WINDOWS**

Wood-aluminium





GEMINI is an innovative system for the manufacture of wood-aluminium windows that combine the natural beauty of wood on the inside and the above-average durability of aluminium on the outside.

This system offers a wide range of forms and shapes: rounded, classic, angular, flush and stylised profiles.

## FEATURES:

- External frame – made of aluminium, guaranteeing true strength.
- Internal frame – made of wood, ensuring natural warmth and aesthetics.
- Guaranteed quality and unique service life of windows without the need for renovation due to the aluminium external frame.



Gemini Classic



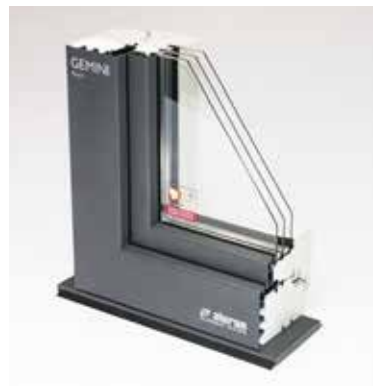
Gemini Integral



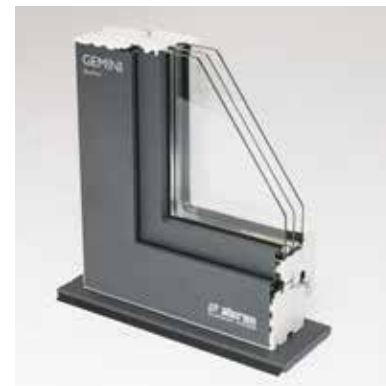
Gemini Linear



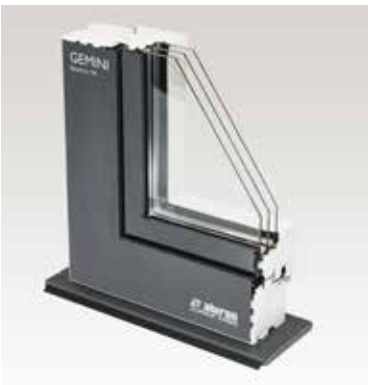
Gemini Nordic I



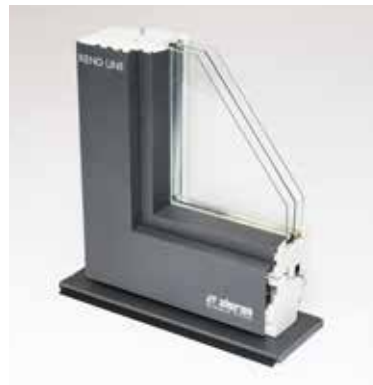
Gemini Passiv



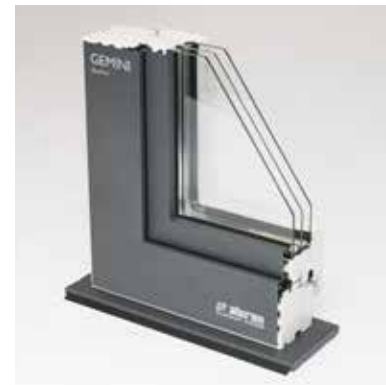
Gemini Quadrat



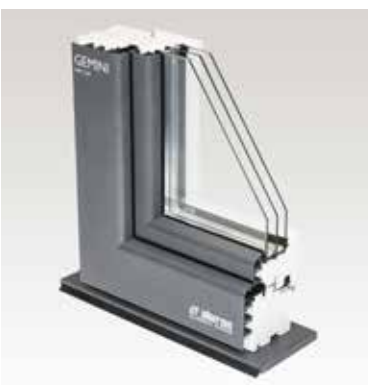
Gemini Quadrat FB



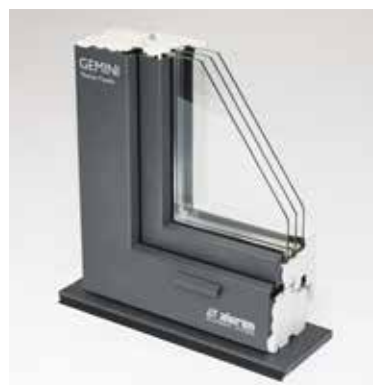
Gemini Reno Line



Gemini Retro



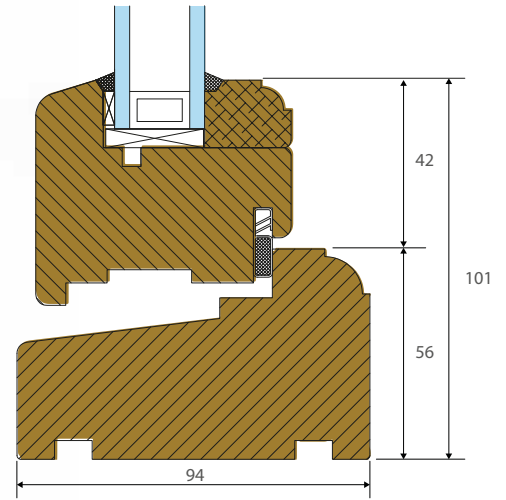
Gemini Soft Line



Gemini Thermo Classic

## WINDOWS

### Scandinavian



In connection with the dynamic growth of our company and the interest of British and Scandinavian companies in our products, we have introduced outward opening windows. They are manufactured in Side Swing, Top Swing, Top Hung and Side Hung systems. The advantage of outward opening windows is that the wind presses the window up against the frame, increasing their sealing properties. They are perfect for use in seaside and mountainous areas, where winds can be very strong.

We manufacture:

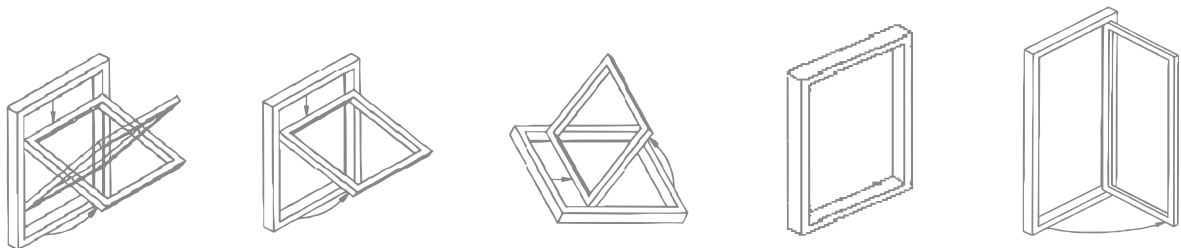
SCANDINAVIAN WINDOWS in the wood-aluminium system

**TOP SWING** 180° top swing window, outward opening, with opening interlocks (option to lock the window in two positions), micro-ventilation and a sash turn interlock to enable washing of the outside.

**SIDE SWING** 180° side swing window, outward opening, with opening interlocks, micro-ventilation and sash turn interlock for washing of the outside.

**TOP HUNG** 90°–100° top hung window, outward opening, with micro-ventilation.

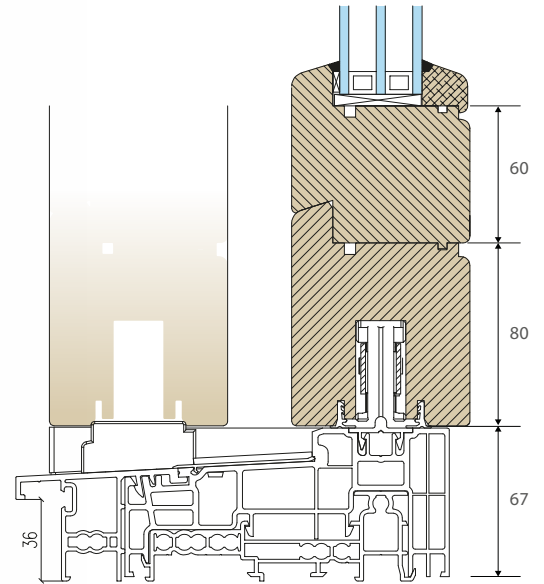
**SIDE HUNG** 45°–90° side hung window, outward opening, with micro-ventilation.



**SLIDING SYSTEMS**

HS

Profiles: 68 mm / 78 mm / 92 mm



## LIFT &amp; SLIDE balcony windows

equipped with a new generation of fittings by GU. The innovative carrier technology used in the HS sliding window ensures smooth and silent sash running. The fittings used allow a small ventilation slot or full sash slide up to the maximum opening and sash lowering at any position. All functions for sliding balcony windows with GU fittings are controlled by the handle. The handle is available in a two-sided version with a cylindrical insert. The significant reduction of torque during handle control allows easy operation of large and heavy sashes. The HS sliding window is equipped with a GU-thermostep threshold.

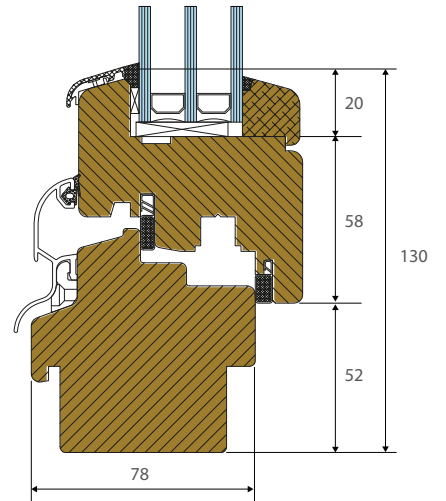




## SLIDING SYSTEMS

PSK

Profile: 68 mm / 78 mm / 92 mm



## TILT &amp; SLIDE balcony windows

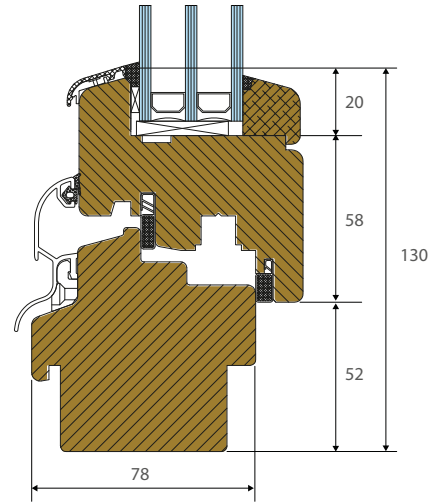
equipped with GU-mZ force-controlled fittings. The fittings press the sash along the entire width when closing and push them away when opening. This ensures reliable operation, even with large and heavy elements. When closing, the sash automatically moves to the tilted position, providing guide protection during ventilation. The innovative carrier technology ensures their smooth running. Sliding sashes can be slid to the desired position with precision and lightness. Aluminium handles add to the easy operation and are used to control all functions: unlock the central lock and push away the sash; unlock the tilted position; prevent the sliding and movement of the sash, while locking it. Balcony windows are available with a key or two-sided handle. It is possible to include the standard protection of GU-standard or the increased protection of WK2. Security fittings enable peripheral locking to protect from burglary and prevent breaking of the sliding sash.



**SLIDING SYSTEMS**

**ACCORDION BRIO**

Profile: 68 mm / 78 mm / 92 mm





## FOLD &amp; SLIDE balcony windows

equipped with an upper guide rail. The advantage of this solution in the open position is that all fold sashes are moved to the side, so they require little space.

The passable sash can be turned only or turned/tilted, while being easy to use independently on the fold sashes. The turn/tilt sash function provides the additional option of ventilation in the safe tilted position. Windows equipped with 2-roller guides, as well as a 4-roller carrier, ensure smooth operation of the fold sashes. The single-handed handle control enables easy operation of the slide/fold components. On request, the active sash can be equipped with a key door bolt and a two-sided control option. The slide/fold window may consist of two to seven sashes.



## WOODEN WINDOW SHUTTERS

Wooden external window shutters are an increasingly popular complement for balcony windows and doors. They are manufactured and installed to individual customer order. In addition to the aesthetic and visual effect, window shutters also have utility values and protect from:

- heat loss
- excessive sun exposure
- wind
- noise
- burglary





## CONSERVATORIES

Glazed porches and conservatories are becoming increasingly popular in Poland. A conservatory is a splendid idea for keeping the summer at home. It may be an exotic garden, where you can enjoy greenery throughout the year. It is not only a way of expanding and insulating the building, but it also improves the standard and quality of life. Regardless of the weather, it creates a sense of direct connection with nature and the landscape. The diversity of solutions and designs allows the design and installation of a conservatory according to your fancies and dreams. The type of the arrangement depends on the concept, room area, your interests and needs, while creating an additional room in your house where the micro-climate helps you to relax. We are ready to design and install a conservatory with modern solutions, as well as traditional styles and forms.





## WOODEN FAÇADES

Wooden façades are becoming increasingly popular. Board facing has a carefully considered place in the composition of a colourful façade, combining the natural colour and scent of wood. For wooden façades, we recommend:

**Pine** an inexpensive and easily workable wood that also features high load-carrying capacity and a long service life due to the high resin content.

**Meranti** available in a range of colours from grey brown, red to dark brown, making it a perfect match for window joinery made from the same type of wood.





## INTERNAL DOORS

We manufacture internal doors in a wide range of colours and patterns. Door leaves are manufactured using a frame and panel technology. The layered bonding technology improves the aesthetic effect of the products and restricts the natural movement of the wood.

Doors are equipped with locks by ABLOY, appealing hinges by METALUX or SFS, and seals by PRIMO. Doors can be equipped with ornamental glass, including stained glass. Doors are manufactured to order.







## EXTERNAL DOORS

A wooden front door is one of the most visible elements of any house. It should match its style, have a good appearance and demonstrate the good taste of the owners; so it should be manufactured to suit the customer's needs. It is made of the best materials and components. The door and leaf frames are made of three-layer sawn wood. The leaf is filled with a caisson or an anti-burglary glass unit. The door is equipped with a door bolt with three locking points by FUHR and SIMONSWERK BAKA 3D hinges. Doors are manufactured to order.

Regardless of which version you select, it will always be a top quality product.





## Joinery components

Secustic handle



Colours:



old gold (F4)



white



silver (F1)



titanium (F9)

Description

The handle features a patented locking mechanism that prevents tampering from the outside of the window by sliding the boundary fitting.

The distinctive and audible sound upon turning the handle in its precise mechanism signals that the security function is active.

Secustic handle with a button



Colours:



old gold (F4)



white



silver (F1)



titanium (F9)

Description

Double security

SECURITY FOR THE WHOLE FAMILY

1. secure from the inside, prevents the balcony window or door being opened by children;
2. secure from the outside, burglar proof, prevents opening from the outside by holding the window fitting in place.

Secustic handle with a key



Colours:



old gold (F4)



white



silver (F1)



titanium (F9)

Description

Secures the window both in the closed and tilted position.

Double security

SECURITY FOR THE WHOLE FAMILY

1. secure from the inside, prevents the balcony window or door being opened by children;
2. secure from the outside, burglar proof, prevents opening from the outside by holding the window fitting in place.

Drip cap



Colours:



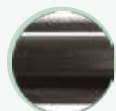
gold



white



silver



bronze



olive

Description

Our windows are fitted with drip caps by ALURON, featuring a modern Soft Line design.

Drip cap profiles are extruded from construction alloys that meet the highest quality standards. The profiles are made to tight tolerances, which guarantees full dimensional repeatability. ALURON products are anodised, a process where the aluminium surface is refined by the electrolytic generation of protective oxides. Thus, it provides a very high corrosion resistance, while significantly improving the mechanical strength.

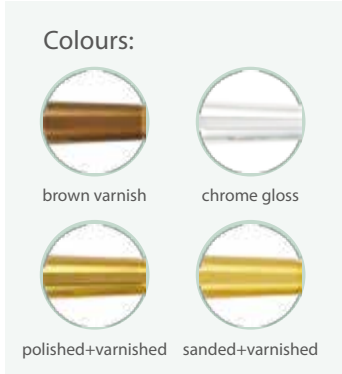
## Joinery components



**Description**

Window handles for wooden windows. Made of brass. A single handle is made of full brass or with an insert coloured in brown, natural wood, black, or white.

Dimensions: Mounting screw span = 44 mm  
Square 7x7x45



**Description**

Window handles for wooden windows. Made of brass. A single handle is made of full brass.

Dimensions: Mounting screw span = 44 mm  
Square 7x7x45



**Description**

Window handles for wooden windows. Made of brass. A single handle is made of full brass or with an insert coloured in brown, natural wood, black, or white.

Dimensions: Mounting screw span = 44 mm  
Square 7x7x45



**Description**

The fitting is made of antique stylised brass-plated cast metal. It consists of 2 parts: the upper part with an opening, and the lower part with a bolt. The fitting is made to give the window a very aesthetic and stylish look.



**Description**

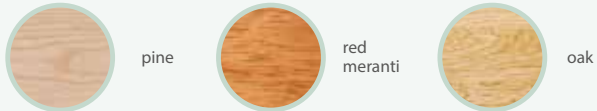
The distance spacers in the window are made of metal or plastic and separate the glass panes of the glass unit. Although it seems a small detail of the window design, it contributes to the thermal insulation.

## Joinery components

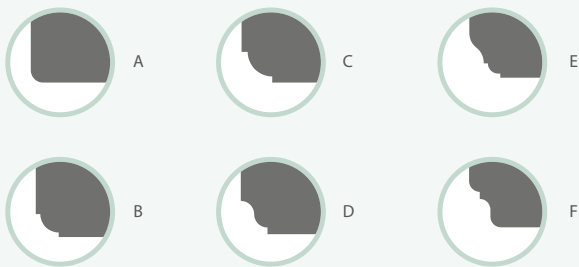
### Wooden sills



#### Types of wood:



#### Wooden sill sections:



### Conglomerate sills



#### Colours:

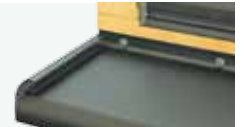


### Aluminium sills

Classic



Soft Line



#### colours:

**GORI**  
SERRAMENTI

#### Pine:



#### Meranti:



## Standard installation

The installation services provided by OKLAND include:

### Installation of window/door joinery:

- disassembling the existing joinery and placing them on site, as instructed by the customer, or removing them
- cleaning the opening in which the joinery will be installed

### Shell installation of window/door joinery

- setting window/door frames in the openings, horizontal and vertical alignment,
- permanent attachment of window/door frames to the wall using special mounting screws,
- filling expansion joints with fitting foam,
- installation and alignment of window sashes / door leaves.

### Installation of inside sills

- correct seating of the sill under the window frame or recess,  
removal of the fitting foam projecting from the face of the window frame
- attachment of the sill to the substrate using fitting foam or assembly adhesive

### Installation of outside sills

- correct seating of the sill to allow safe removal of the rain water out of the wall
- attachment of the sill to the substrate using fitting foam or assembly adhesive

I. The above guidelines are based on the requirements developed at the Institute for Building Technology and the Institute for Window Technology in Rosenheim.  
II. All the above-mentioned works are subject to detailed calculations in the quote for the customer.

## Warm installation

“TIGHTER INSIDE THAN OUTSIDE”

In addition to the standard wooden joinery removal and installation service, OKLAND offers the warm installation service. This includes the permanent and efficient sealing of the window seating points. The purpose is to minimise thermal bridges, i.e. points that cause heat losses, which typically occur at the interface between the window frames and the wall. Vapour insulation is required as well, thus in addition to the traditionally used polyurethane foam we use expanding tapes or vapour insulation and vapour-permeable films.

### WARM INSTALLATION STAGES – using vapour insulation tapes and expanding tapes

- Substrate preparation
- Selection of tapes
- Attaching the tapes to the frame
- Horizontal alignment and installation of window frames in the window opening
- Attaching the vapour-permeable tape on the outside
- Filling the joint with polyurethane foam
- Attaching the vapour insulation tape on the inside

### FEATURES

- Reduced energy consumption costs
- Reduced fungal growth around the joinery
- Improved micro-climate in the room
- Permanent and efficient sealing

### TYPES OF SEALING USED BY OKLAND

#### ILLBRUCK

ILLBRUCK – Illbruck i3 three-layer sealing

- outside and inside layer – Duo flexible window film, intermediate layer – foam
- outside, inside and intermediate layer – TP 650 Illmod Trio ILLBRUCK

#### ISO-CHEMIE

There are 4 types of sealing:

- Vario universal window film on the outside and the inside, foam in the middle
- vapour-permeable expanding tape on the outside, vapour insulation film on the inside and foam in the middle
- vapour-permeable window film on the outside, vapour insulation window film on the inside and foam in the middle
- multi-purpose expanding tape for foam-less assembly – ISO-BLOCO ONE



## HISTORY AND RECOMMENDATIONS

**OKLAND Sp. z o.o.** is a company working in the construction market, and has been operating since August 1996. Until mid-1998, the company was engaged in trading, mainly construction materials, under the name of SAWCO Sp. z o.o., and then in the second half of 1998 it changed its name to OKLAND Sp. z o.o. Since January 2000, it has been selling mainly its own products, i.e. wooden windows and doors. The company manufactures window joinery, external and internal doors, and conservatories according to the most refined concepts of the customers.

The modern technology, in connection with more than the dozen years of experience of our staff, enable Okland to offer very high quality products that meet the expectations of a wide range of customers. Despite the risk related to the industry, the company assumed the following motto "It matters not what OKLAND wants to sell, but what the customer needs and wants to buy". We supply products for single-family and multi-family structures, as well as to buildings under strict heritage conservation supervision. The factory has 25 employees, most of them working in the production processes. Our facilities include a modern processing line for manufacturing wooden windows and doors. During the manufacture process we use high quality materials from renowned companies, including: bonded sawn pine, meranti and oak, German boundary fittings by GU, sealing by Schlegel, paints of a Dutch company, SIGMA, and a Danish company, GORI. Glass is supplied by: Press Glas, Glassolutions, Effect-Glass and AGC, while drip caps are by ALURON.

Okland has completed the following projects:

- Revival of the Green Gate in Gdańsk
- Hotel building of the Polish Baltic Philharmonic in Gdańsk
- Georg Ullmann castle and park complex in Bella, Slovakia
- Gdańsk Main City Hall
- The Golden Gate in Gdańsk
- Sopot city centre: Sheraton Hotel, car park and office buildings, and a residential building
- Barracks of the Hussar Regiment in Gdańsk
- Sopot Residence in Sopot
- Admirał Hotel in Gdańsk
- Apartments by the beach in Gdańsk
- Multi-family residential building: "Kwartał Kamienic", in Gdańsk
- WATER-LANE – apartment buildings in Gdańsk
- Historic building (the former house of Dr. G. L. Tornwaldt) in Gdańsk
- Gdańsk University of Technology in Gdańsk
- Gdańsk Shakespeare Theatre
- Complex of multi-family residential buildings: "Port Praski", in Warsaw
- Commercial and apartment building for tourist accommodation in Jastarnia
- Complex of four residential buildings with an underground garage: "Zielony Zakątek", in Gdańsk
- Building of the PKP Directorate in Gdańsk

Notes

A large rectangular area with a light green background, containing numerous horizontal dotted lines for writing notes.

Notes

A large rectangular area with a light green background, containing numerous horizontal dotted lines for writing notes.



**OKLAND Sp. z o. o.**

Rokitki, ul. Tczewska 35a, 83-112 Lubiszewo POLAND

tel. +48 58 532 77 77

e-mail: [biuro@okland.net.pl](mailto:biuro@okland.net.pl)

[www.okland.net.pl](http://www.okland.net.pl)