

...our window company located in Podlaskie voivodship is a leading manufacturer of PVC, aluminum and wooden woodwork. Established in 1999 thanks to a modern and European-standards-complying production line as well as a professional customer service the company has soon earned the name of being the biggest PVC producer in the whole North-Eastern part of Poland. A Care for a high aesthetics of our products as well as efforts for the highest quality have enabled us to build trust of our customers and expand our activity into other European countries.



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- ◆ Modern machine park guarantees ideal-made woodwork. Technological capabilities of company allow to make practically every construction.
- ◆ Modern, computer-controlled paint shop enables making aesthetic and durable varnish coating.
- ◆ We do not rush drying processes – a natural varnish drying in computer-controlled conditions ensures beautiful varnish coating.

- ◆ We varnish our wood in four-layer system which protects our products for many years.
- ◆ Unlike most of wooden windows producers we have created a construction enabling the use of 13 mm ferrules; it makes the use of stronger lock bolts possible what substantially enhances windows resistance to break-in.



ECOTHERM 92 PASSIVE REVOLUTION

Energy-efficient windows with the overall glass heat transfer coefficient $U_w = 0.7 \text{ m}^2$

Wooden window made in 92 mm stile technology

Material to choose: pine, meranti, oak wood

Square-sawn timber of four glued together layers

SPREE 24 outer sill of frame, additionally aluminum outer sill of sash

We implemented the 3-gasket system including an innovative frame's gasket

MACO MULTIMATIC hardware with rotating bolts. Hardware's axle amounts to 13 mm. It allows to mount more massive bolting elements on the frame. Hidden hinges for request.

Standard 48 mm glazing unit, $U_g=0.5$

4-coat painting system ideally preserves the wood against different weather conditions

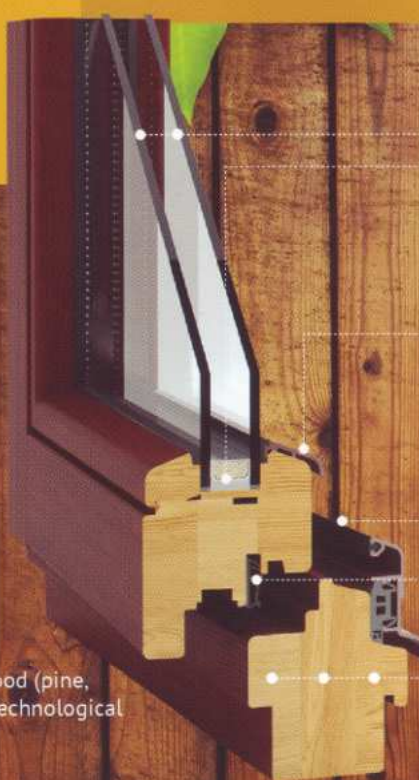
Impregnation of components before their assembling – impregnated pivots

WOOD WINDOWS

68 SOFT STANDARD WINDOWS

Windows produced in 68SOFT system are characterized by elegant, streamline outline. Modern design causes that they ideally correspond with every architectural style. In addition smooth finishing of the window frame makes easy and effective care for cleanliness.

The windows are made of the highest quality wood (pine, meranti, oak wood) which has undergone strict technological processing beforehand.



- **Double glazed unit with the glass heat transfer coefficient $U_w = 1.0 \text{ W/m}^2\text{K}$**
- **Moisture absorbent.**
The cavity in a double glazed unit is filled with argon.
- **Rebating outer sill which prevents external part of window frame.**
Significantly greater durability of top coat and a wood itself.
- **Outer sill of frame ensures water drainage.**
In contrast to traditional solution it does not create a thermal bridge problem (water vapour condensation inside the window), whereas the lack of termoprzekładka eliminates the risk of water ingress inside the room.
- **Window gasket protects from a volume noise and heat loss.**
The additional asset is that the gasket is placed on a window frame, not on the outer sill.
- **A three-layer laminated wooden frame with a width of 60 mm in such a way that in spite of different weather conditions deformations do not occur during the usage.**

78 SOFT STANDARD WINDOWS

78 SOFT profile ensures:

- ▶ better resistance comparing to standard wooden window by 20 per cent,
- ▶ thermal insulation improvement by 20 per cent
- ▶ possibility of using other than standard pane packet which helps to accommodate to the needs of ordering party.

Energy-efficient double glazed packet with the glass heat transfer coefficient $U_w = 0.7 \text{ W/m}^2\text{K}$

Moisture absorbent.

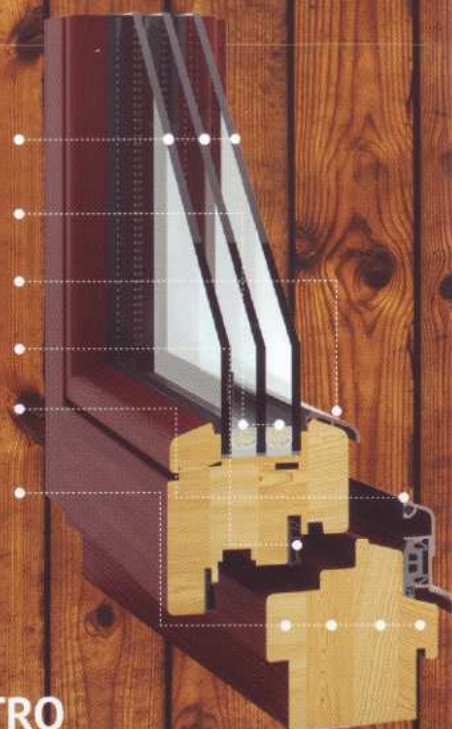
The cavity in a double glazed unit is filled with argon.

Outer sill of sash prevents a window frame from a moisture.

Window gasket.

Outer sill of frame prevents a window frame from a moisture.

A four-layer laminated wooden frame in comparison with 68 STANDARD system ensures greater rigidity of construction by 20 per cent.



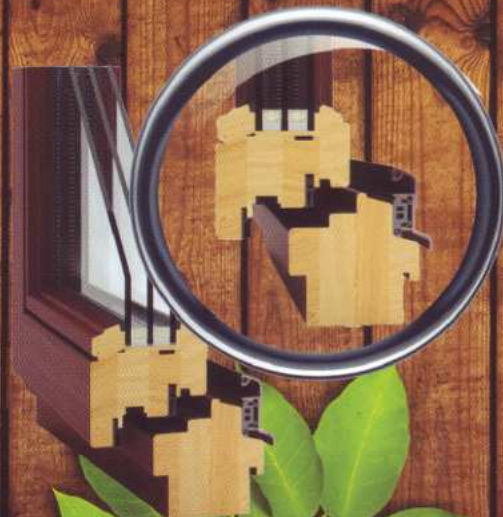
PROFILE 68 RETRO



RETRO profile is distinguishable by its standard finishing of window. Retro allows us to accurately reconstruct historic woodwork using the most modern technological solutions.

Additionally, the windows are old-construction styled by using various ornamental wooden columns and decorative slats. Wide range of colours of profiles allows to match the final window look to individual needs even the most demanding customers.

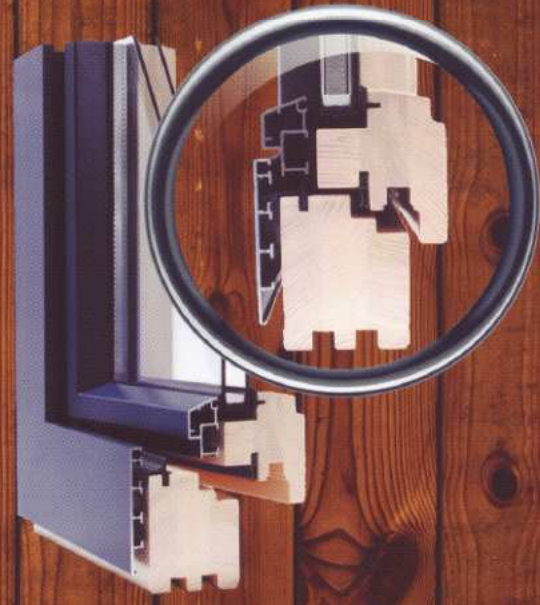
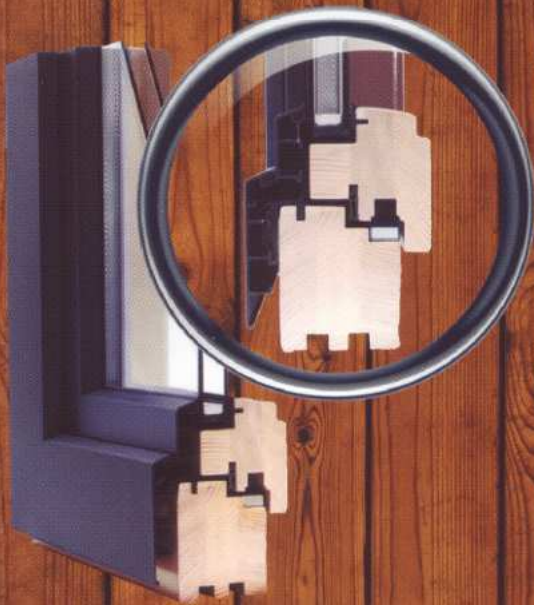
PROFILE 78 RETRO



ALU-WOOD

Aluminum-wooden window has an extended durability by 20-30 years comparing with typical wooden window.

Aluminum profiles finished with powdery varnish (210 colours of RAL palette), wood base veneer or special finishing allow free creation of architecture. Also, there are available different designs of aluminum cladding which enable to produce windows of a classical or modern look.



STYLIZED WINDOW

Windows perfectly harmonize with the modern as well as old constructions. Rich design often evokes a typical historic architecture.



CASEMENT WINDOWS

A popular construction on the British market. By inward opening it saves a space in the room. A very tight window – a wind pressure force ensures window clamp between the sash and window frame.



SASH WINDOWS

A windows operates in sliding up – down system so that is allows to save a space in the room.



WOODEN - SHAPED WINDOWS

Wooden - shaped windows give an unique character to any living and public space. Interestingly integrated into the building trapezoids, arcs, triangles and circles determine the individuality of architectural plan.



SHUTTERS

Closed shutters protect a window from external damage, whereas the open shutters serves aesthetical function.

Apart from visual meaning they also have implementation in the passive usage of energy. In the summer they prevent from heating the interior, while in winter they protect from a heat loss.

Shutters are produced in various models thanks to which they match each construction.



MILIO TYPE WINDOWS (SCANDINAVIAN)

Extremely elegant and stylish windows which open outwards. They are produced in accordance with Scandinavian markets' standard. In addition to its unique appearance the advantage of this system is:

- ▶ greater sealing – in case of wind a sash ensures a pressure force on the window frame;
- ▶ a sash opens outwards what enables free use of space around the window inside the room;
- ▶ the second type of Scandinavian windows are Combi type windows which have a simple profile form.



UNI SYSTEM WINDOWS

These windows can be used in high-rise buildings which require the highest level of resistance and durability.

They are produced mainly for Northern Europe markets (the UK, Ireland and Scandinavia).



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