

**WINDOWS WELL THOUGHT**  
RANGE OF WOODEN PRODUCTS



  
**WITRAZ**

# WOOD EXCELLENCE, ALUMINIUM DURABILITY



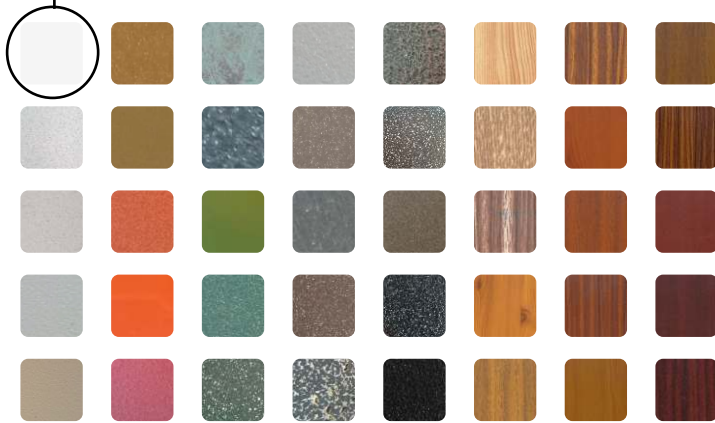
## DUO REGULAR

- ✓ Aluminium cover **without rounding and edges.** A timeless, universal shape that matches the character of each facade.



## DUO MODERN

- ✓ An aluminium overlay with clear edges and a raw form. **A modern shape** that matches the minimalist style of the facade in the Scandinavian pattern.



- ✓ The combination of excellent Ecoline, Thermoline, Ecotherm systems and durability of aluminum full range of colors.
- ✓ 3 variants of the thickness of wood: 68, 78, 92 mm glazed units from 24 to 60 mm.
- ✓ Aluminium cladding on the external side of the window, this long-term trouble-free use of woodwork without the necessity of maintenance.
- ✓ Possibility to choose a color from the RAL palette as well as from a special collection of over 100 decors: matte, satin, wood-like or structural.

## SPECIAL PURPOSE WINDOWS



## RETRO

- ✓ **Recreation of antique woodwork.** Intended mainly for objects that are under the care of conservators.
- ✓ **Wide range of finishes.** Individual styling with machining strips, wooden drip caps, carved columns, muntins and unique accessories, e.g. door handles.
- ✓ **Any configuration of energy parameters.** Available in profiles: 68mm, 78mm and 82mm and in 3 types of wood.



## BOX WINDOW

- ✓ **Renovation window** that helps with bringing old tenement houses back to their former glory.
- ✓ **Box windows** can not only be adapted in terms of looks and thickness to resemble the original, but also allow for selecting the most accurate glazing.
- ✓ Appearance and depth **matched** to the **original windows.**
- ✓ Many possibilities of **individual decorating.**

# WOODEN WINDOWS - A SOLID CHOICE FOR YEARS



## ECOTHERM

- ✓ **Created with an energy-saving home in mind.**  
A solid profile, 92mm deep, with a two-chamber glazing unit as standard.
- ✓ **The best parameters.**  
Great thermal insulation and the lowest heat transfer coefficient.
- ✓ **Freedom of choice.**  
Design your individual interior with one of numerous colours from the entire RAL chart or transparent lazure veneers, underlining the beauty of the natural wood grain.



## THERMOLINE

- ✓ **Thicker profile.**  
78mm deep, dedicated to single-family housing.
- ✓ **Solid construction.**  
Better thermal insulation and increased sound absorption.
- ✓ **Extra savings.**  
A lower heat transfer coefficient will help you take care of your home budget.



## ECOLINE

- ✓ **Basic profile.**  
Profile depth of 68mm with the possibility of retrofitting with a wider two-chamber glazing unit.
- ✓ **A versatile model.**  
Window type suitable for flats, apartments and houses.



## CASEMENT

- ✓ **Window opening to the outside.** Casement is a window type opening to the outside. Thanks to this solution, the wind force presses the casement against the frame further at times of bad weather and provides the house with additional insulation.
- ✓ **Casement Flush** is a flushed window - the casement and the frame form a perfect line, in a traditional British style
- ✓ **Casement Stormproof** features a modern, simple design.
- ✓ Both are made of pine, oak or meranti, with **56 mm** profile or wider **68 mm** one allowing for double glazing.



## SASH

- ✓ An elegant window opening **upwards**.
- ✓ We offer **140 mm** and **156 mm** thick profiles as a standard product, or **180 mm** ones allowing for double glazing.
- ✓ Sash in the modern version **with spring** has a visibly thinner frame, spring fittings made to fit the exact size of each window and a wide selection of fastener types.
- ✓ Traditional version of the Sash Window is based on the counterbalance with a **system of weights** originally manufactured in the Great Britain. It features an elegant design and allows for installation of a wider glazing unit.

# SLIDING WINDOWS - FUNCTIONAL SPACE



## HS WITRAZ SLIDE

Comfortable, low and warm thermostep threshold.

- ✔ Sash width up to **3,3 m** and the weight up to **300 kg**.
- ✔ Pine, oak, meranti in many possibilities of painting.
- ✔ Profile thickness of 68, 78 e 92 mm.

Select **HS WITRAZ SLIDE** window, if you want to perfectly illuminate the interior and highlight the beautiful view from the window in a really great perspective.

## WITRAZ SKB

Simple movement with tilt option.

- ✔ Sash width up to **2 m** and the weight up to **200 kg**.
- ✔ Pine, oak, meranti in many possibilities of painting.
- ✔ Profile thickness of 68, 78 e 92 mm.

Select **WITRAZ SKB** windows if you want to visually enlarge the space of your home and if you're looking for an option of opening the sash automatically or semi-automatically.



## ROTATING WINDOW

- ✔ A **rotating window** is a special type of window having its axis of rotation exactly in the middle. Main advantages of this solution are ease of use and ability to place a really large glazed surface in one wing.
- ✔ This solution allows **cleaning** both interior and exterior sides of the window without going outside. All you need to do is turn it around.
- ✔ **Single or double-chamber** glass package.
- ✔ Pine, oak, meranti in **many possibilities** of dyeing.
- ✔ Building depth **68 mm**.



## IPA



- ✔ IPA is a Scandinavian type window **opening to the outside** - tilting on scissor hinges. Very comfortable in everyday use, does not take any additional space when opened, does not force moving the curtains or things placed on the sill aside



## PINE WINDOWS WARMTH

Select pine window if you want to maximize the thermal parameters window. They be derived from a relatively low density material succession of 510 - 550 kg/m<sup>3</sup>. Pine wood is durable, hard wearing and superbly insulates thermally. The large Resin contents causes, that is resistant to harmful moisture. It has light colour, that can be covered with stain or coating paint matching your interior.



## OAK WINDOWS DURABILITY

Select most prestigious oak windows, if you are looking for noblest wood with excellent durability. Due to the specially selected Our copies of density 710 kg/m<sup>3</sup> oak is characterized by exceptionally good soundproofing. Interesting composition of colour and grain makes such windows look very aesthetically and enjoy unflagging prestige.



## MERANTI WINDOWS DESIGN

Select most exotic wood species if you are looking for a very good combination of thermal and acoustic performance with an interesting design. Meranti wood windows last longer and are more durable than pine - for windows we use variations of red meranti with a density of 630 kg/m<sup>3</sup>. It's warm tone and unique structure of the wood gives the interior an elegant theme.



 Wooden profiles we obtain only from certified sources of origin of the raw material. When purchasing our products you do not contribute to adverse climate change and you have security of its high quality.

## WINDOWS WELL THOUGHT



**Window profiles are made from glued three-layer timber.**

Thanks to it, your window will not deform and lose it's advantageous parameters.



**We impregnate wood before connecting profiles.**

It is therefore so resistant to moisture in window corners.



**Each wooden window comes with solid aluminum drip for frame**

**and sash with seal**, which is not only beautifully appearance, but effectively protects the wood from accumulating water.



**We use Supreme class Maco Multimatic fitting.**

Microventilation, anti-draft system, mishandling lock and rotary bulglary bolts are already our standard.



**Our wooden windows do not need to be painted every few years.**

Enough, that twice a year when washing windows, wipe it with a sponge for impregnation. It is very easy!



# WITRAŻ FAMILY BUSINESS

## MEET WITRAŻ

Witraz is a family-owned company existing on the market since 1999, boasting the largest PVC producer in the north-eastern region of Poland. We are one of the few companies in the country producing three materials - PVC, wood and aluminum.

## WOODEN WINDOWS, TIMELESS AND ELEGANT

Production of wooden joinery is a department that, since 2008, manufactures also custom windows on special requests. To make our wooden windows, we rely most on equipment from reputable Weing and Oppold companies.

## PEOPLE, NOT MACHINES

Human factor is significantly more important in production of wood joinery than in case of other products. The main reasons are the manner the wood is being prepared for painting (sanding by hand) and the painting process itself (impregnation + 3 coats of paint). For this department, we select only specially trained and conscientious employees.

## PERFECT WINDOWS

In the process of veneering, to achieve the best possible visual effect and protection of wood, we use both the automated lines (applying primer, intermediate layers) and experienced painters apply the final coat of paint with paint pumps and guns. Paint shop operating parameters like humidity in individual areas or temperature at which the consecutive coats of paint should be applied and dried are precisely defined and maintained by computers. This allows us making windows that are both beautiful and of high quality.



# WOOD WOOD-ALUMINUM PVC ALUMINUM



## We export to:

Germany ▪ Italy ▪ Lithuania ▪ USA ▪ Scandinavia ▪ Morocco  
Switzerland ▪ Latvia ▪ Norway ▪ France ▪ Israel ▪ Sweden  
Belgium ▪ Estonia ▪ Austria ▪ Japan ▪ Hungary ▪ United Kingdom ▪ Czech Republic



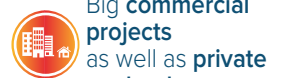
In market since 1999



350 employees



35 000 wooden windows per year



Big commercial projects as well as private contracts



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