



Gebauer **WINDOW LUX**



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Window LUX

Our innovative solutions are the optimal combination of the best technical parameters, functionality and cost-efficiency, while at the same time the aesthetic look of each joinery element is maintained, which meets the individual Customers' needs.

We address the offer of energy-efficient windows to a demanding Customer, who invests for the future and appreciates premium products.

Passiv Lux 92 windows are a reliable and perfect product and their high thermal insulation parameter makes them suitable to be used in the passive construction industry.

Our goal is to deliver optimal solutions to the customers and to ensure new life quality for a reasonable price; which is exemplified by the window model, Eco LUX 78.

For Customers that appreciate good quality and low price we have the window model, Classic LUX 68.

Energy-efficient wooden windows offer is intended for demanding customers who are investing in the future, who appreciate the highest quality products.

Wooden joinery – 68, 78, 92 LUX series



Classic LUX 68 section

Window Classic LUX 68

Wood selected, solid three-layer, laminated to a **thickness of 68 mm**, **max 32 mm** glazing,

coefficient of glass **Ug = 1.10**
coefficient **Uw = 1.20**



Eco LUX 78 section

Window Eco Lux 78

Wood selected, solid multi-layered, glued to a **thickness of 78 mm**, **max 38 mm** glazing,

coefficient of glass **Ug = 0.50**
coefficient **Uw = 0.96**



Passiv LUX 92 section

Window passive LUX 92

Wood selected, solid multi-layered, glued to a **thickness of 92 mm**, **max 49 mm** glazing

coefficient of glass **Ug = 0.40**
coefficient **Uw = 0.80**





Non-standard windows

Modern building industry presents a new challenge for the window joinery, as different shapes, colours, glass, and functions are required to add innovative and individual character to a house.

Windows, apart from bringing in the light, can also be an additional room ornament, which can be illustrated by the case of non-standard windows, i.e. curved, trapezoid or circle and triangle-shaped windows, as well as the historic replica windows. When planning such solutions, some limitations should be considered, as some of these windows cannot be fully opened or lifted. Non-standard windows are always custom-made.

We offer various types of non-standard windows: with sculpted frame, bent frame, vintage, corner windows with irregular shapes or historical replica windows. When the windows are original this affects the appearance of the whole building, its facade and interior because non-standard joinery is what has always distinguished us.

Non-standard windows

We add a stylish character to windows, also by additional mullions, the so-called Vienna mullions, which are glued or alternatively mullions which are removable bars laid outside. At individual request, we install sculpted elements such as: flanges, window heads and extra-milled closure slats or transom bars, masking slats, thermo drip cap, band slats and wooden windowsills.

In the wood joinery, the state-of-the-art electrical engineering devices are used (e.g. sensors, aerators, openers), thus enabling to include it as a function of 'Intelligent House', that is, the security systems, alarm and air conditioning of the building. You may wish to have the fittings that protect from opening the window with a crowbar (min, poppet and hook fasteners, handles with a lock) and anti-burglary panes preventing from breaking into the house.

Advanced functions of fittings and joinery equipment (listed below) will make the window suit any room and they will enhance the comfort of living in that room:

- the window with **Tilt Frist fitting** prevents accidental opening of balcony the by a child,
- the window with **Komfort fitting** facilitates opening and tilting the window from the sitting position e.g. by a person on a wheelchair,
- the window with **gradual tilt will** allow you to relax in the bedroom,
- the window with **a brake in the leaf will** protects you against the draught effects,
- the window with **Designio fitting** will ideally match the living room design, which will not be spoilt by the visible hinges, as in other windows.

We can add artistic look to the window joinery by means of the interesting glazing such as: **ornament, stained glass, colour or matt glazing**; you can also **paint the window** panes in different colours, e.g. RAL, or **use other type of wood** e.g. larch or oak wood, as nowadays also the colour of each decor item is important.





Alu Cad LUX / Wooden Alu LUX

Our offer of aluminum and wood joinery responds to a growing demand for almost excellent windows with the highest parameters.

The aluminum and wooden window has been created as an innovative product by way of connecting the wooden frame from the inside and the aluminum cover from the outside, which serves to protect the window against weather conditions and ensures joinery longevity.

The aluminum coverings reduce heat penetration by ca. 20%, on the average.



Alu cladding door



Wooden aluminium alu -cladding windows have a perfect sealing, functional fittings - standard lock mishandling, micro-ventilation, catches anti burglary catches.

Wood and aluminum joinery



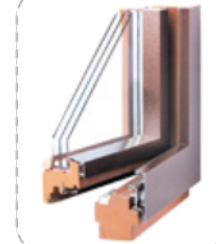
Gemini Linear section

A wide range of the aluminum cover systems such as Soft Line, Classic, Linear, Retro or Quadrat, as well as the colour diversity enable to fit in practically any architecture, while Renoline system can be used for window renovation.

The aluminum and wood joinery is manufactured on the basis of the latest technology that uses the profiles from pine wood, meranti or oak wood,

Our windows are equipped with the standard joinery or almost all of the latest solutions in non-standard joinery are used.

The joinery and aluminum windows are marked by a perfect sealing, functional fittings with the standard interlock of incorrect handle position, microventilation and two anti-burglary strikers.



Renoline section

The best thermal insulation parameters are achieved by applying the relevant glass packets - in the standard model, a double chamber glass packet together with frame that helps keep warmth and which has the coefficient from 1.1 to 0.5 Ug (W/m2K) EN 673 (depending on the profile) to the thickness of glass packet at max 64mm in the profile of the type Holz Au LUX 92.

The wooden profiles have a characteristic modern look of a "trapezoid", while wood fits every style and it gives you a sense of perfection and elegance. Additionally, the possibility of interior design is unlimited thanks to the use of transparent or RAL colors.

By the use of Gemini Thermo Classic system, we can achieve the best coefficient of heat penetration to the window from the meranti wood, i.e. at least $UW = 0.8W/m^2 \cdot K$.

The offer of Alu -Clad LUX joinery includes all types of windows with the profiles: 68, 78, 92, i.e. fix windows or UR windows, multi-leaf windows and Patio doors with profiles: 68, 78, 92, i.e. balcony doors.

The horizontal sliding folding doors. The tilt and slide patio doors and lift and slide patio doors of HS model

New:

the entrance doors made of aluminum and wood, profile 68 and 78

The durability of Alu -Cad LUX joinery is the best, cost-saving choice.



Alu wood door profile 78 section



Gemini Classic section



Patio LUX

We offer a wide range of balcony and terrace door solutions, which will make your apartment more functional and comfortable. Families with small children and the disabled can use them safely.

In addition to the traditional balcony window solutions, we have in our offer the most advanced technological solutions that enable to open the window and have access to large space without the architectural barriers such as thresholds.

New fitting systems are characterized by the excellent sliding properties, while the new, thermally insulated, low threshold and the sealing system make it possible to decrease humidity and thermal bridges.



Balcony low threshold



Sliding element of sliding system

Patio LUX doors 68, 78, 92

We manufacture the following door types:

Standard balcony doors

Low threshold balcony doors

Horizontal sliding folding patio doors with threshold and

ROTO Patio 6080 low threshold doors

Tilt and slide terrace doors of the model PSK – Roto Patio 4180 Z or S

Diagonal sliding doors of the model Roto Patio Lift

Lift and slide terrace doors of the model HS 300 Siegenia AUBI

Patio systems allows you to open the door leaves that weigh up to 400 kg in a comfortable and easy way, and with the use of the appropriate building scheme the glass wall may have even 19 m width.

For the patio doors, we offer burglary protection fittings up to the safety class WK2 and a large selection of elegant handles with microventilation, as well as the handles with lock insert, which enables to ventilate the room and lock it from the outside.

Patio doors, which are made on the basis of profiles number 78 and 92 and which have the additional aluminum covers, are durable and therefore classified as LUX joinery.



Doors

We offer you the entrance doors in the retro style, made according to the standard designs, including the faithful copy of antique door designs, as well as the doors that are made according to the modern trends, with steel or glass elements.

The diversity of our offer, attention to every detail, large number of models and the possibility to make adjustments to them at request are the factors that facilitate your choice, so that each entrance doors could be a beautiful showpiece of your house.

We equip doors with the latest technology, among others: remote control opening, key-card system.



Hand done grid



Porthole

Entrance doors 68 RETRO / 68 SOFTLINE / 78 / WOODEN ALU 78

We can satisfy any special requests of the Customer, by way of selecting the removable glazing or installing the following items: stained-glass windows, relevant locks, handles, hand-rails, decorative steel elements, sculptures and anti-burglary equipment such as: locks, hinges, pins and P4 panes.

We supply the latest technical solutions such as: opening the door with the remote control, the card or key system.

All of the models are manufactured from pine wood, as well as meranti and oak wood in the transparent colours, in line with Gebauer pallets, or alternatively in RAL or NCS colours. There is also a possibility to use other kinds of wood.

The doors made as per the 78 profile, in line with B structure, are characterized by a high thermal insulating parameter consistent with PN-EN 1451-1 + A1, which classifies them as the energy-efficient doors.

Low heat permeability parameter has been achieved by means of a modern and solid structure of the leaf and the appropriate insulation.

All doors are usually equipped with: ROTO multi-point (strip) lock, Simonswerk hinges, Hoppe handle.

New: Entrance doors, profile 78, with the aluminum cladding are our new, exclusive product for the most demanding customer.



Retro 68 door profile



Softline 68 door profile



78 door profile

Our entrance doors are safe and aesthetically pleasing, they are each house's showpiece and have appropriately high acoustic and thermal parameters.



Window shutters

We manufacture window shutters to the historic buildings, as well as to the new facilities, and we use a wide set of colours and a number of models, in line with the Customer's requests and suggestions.

Each shutter is made separately and it is adjusted to the window size or the method of opening it.

We have offer a wide range of shutters: rectangular, curved, diagonal and multi-leaf, as well as the shutters with the manual or electrical control system or sliding shutters.

We install them directly to the window or monoblock (an additional frame), or directly on the building facade.

High quality and durability of our products are possible due to high production standards, i.e. material selection, the best technologies, appropriate painting process.

A perfect shutter functionality is obtained by the use of Fentro and INOX fittings.

Window shutters add unique charm to any building and make it look stylish.

High quality and durability of our products we provide through high standards of production- selecting materials, the best technology, right process of painting.



Crankset



Broken hinge of folding shutters



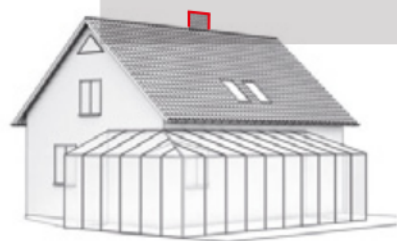


Gardens

A well designed winter garden window, constructed using the state-of-the-art materials, is a place accumulating heat for the whole house, which may also greatly reduce energy consumption. Apart from the high glazing parameters, heat is also accumulated due to heat-holding wooden profiles with aluminum cladding.

To make it resistant to wind and snow, the winter garden room must have a solid construction, preferably made of wood and aluminum.

You may enjoy the view of the rising sun in a bright room full of light. This dreams may come true in the winter garden, an ideal place that combines a garden and a house.



Winter Gardens, greenhouses, glazing, canopies

We build winter garden windows on the basis of pillar and spandrel beam construction of Vella aluminum and wooden system, in which pillars (50, 60, 80 mm thick and their depth is calculated as per the statistical calculations of the architect) have the load-carrying capacity, while roofs are made with the use of single-pitch construction, as well as double-pitch and multi-pitch construction, together with the a proper glass packet. This solution seems to be natural and it helps keep the room warm, and at the same time it is an ideal solution that ensures long durability without the need of frequent maintenance works.

Thanks to the fact that a complete offer of aluminum and wood joinery has been introduced, we can propose not only to construct windows which are 68, 78 and 92 thick with Aluron - Gemini cover plates (i.e. Fix permanent glazing; RU windows) but also Patio doors of all thicknesses range; with aluminum covering in rich variety of models and colours. When designing winter garden, the elementary issue arises related to glazing; the shading method and air conditioning.

To ensure safety of the winter garden occupant, we recommend using **tempered glass** from the outside, in combination with **laminated safety glass** from the inside, as well as using the **panes with low thermal permeability parameter**, panes covered with some special coatings that protect against the ultraviolet radiation in **the self-cleaning glass**.

When selecting the glass, a set of parameters should be considered, as its functionality depends on fulfilling these parameters, the most important of which is the heat penetration coefficient (U)

The choice of panes is crucial, as the orangery mainly consists of panes. By means of appropriate glass, we may improve the thermal balance in our house and obtain double effect of passive transfer of heat to interior of winter garden.

The winter gardens is a luxury of living close to the nature.

