



WINDOWS CATALOG

2017





REAL WOOD Innovative PVC windows

Feeling of safety and comfort of users and the functionality aligned to the room are the highest priority in choosing the right windows.

- Optimally selected Aluplast profiles are a combination of state-of-the-art technical solutions for superior performance, guaranteeing improved thermal and acoustic performance with exceptional window aesthetics.
- Window profiles with steel reinforcement provide excellent shape stability, particularly important for color windows and large-size constructions.
- The CLIMATOP FAMILY glazing units, used in Real Wood windows, are selected with the greatest care to meet all the expectations of homeowners: safety, energy efficiency, silence.
- Additional benefits include the SWISSPACER warm edge spacer bars, which seal the edges of the glass, provide ideal thermal insulation.
- Winkhaus fittings guarantee countless possibilities for window configurations and modern solutions for adjusting windows to the specific needs of individual rooms.

Leading components suppliers: Aluplast, Winkhaus, Glassolutions, guarantee the highest quality and long-term availability of each of the elements used for the production of Real Wood windows.

REALWOOD

ENERGY-EFFICIENT WINDOWS

THE ONLY ONE **PVC** WINDOWS ON THE MARKET WITH **REAL** WOOD PROFILES DECORATIONS

Innovative idea

Wooden products, during operation in the facilities are vulnerable to many threats from destructive effect of moisture on the hygroscopic wood construction. From here the idea was born of decorating the surface of PVC profiles, to provide them with the aesthetics of fine wood and eliminate the effects and inconvenience caused by the use of wood.

Innovative technology

Decorated PVC profiles using Real Wood technology, unlike wood does not require care for protection against the weather. Any coating repairs are also possible in the facility where windows are already mounted.

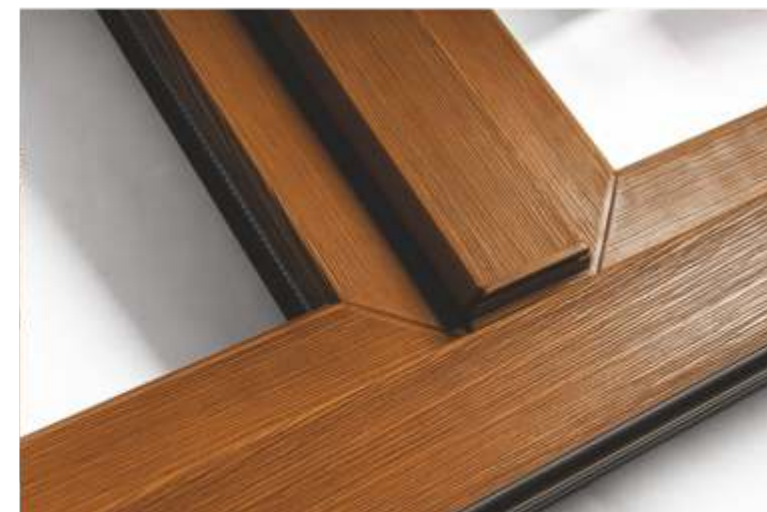
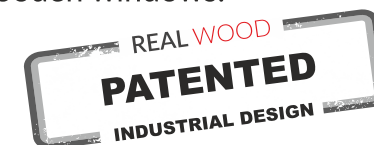
Innovative design

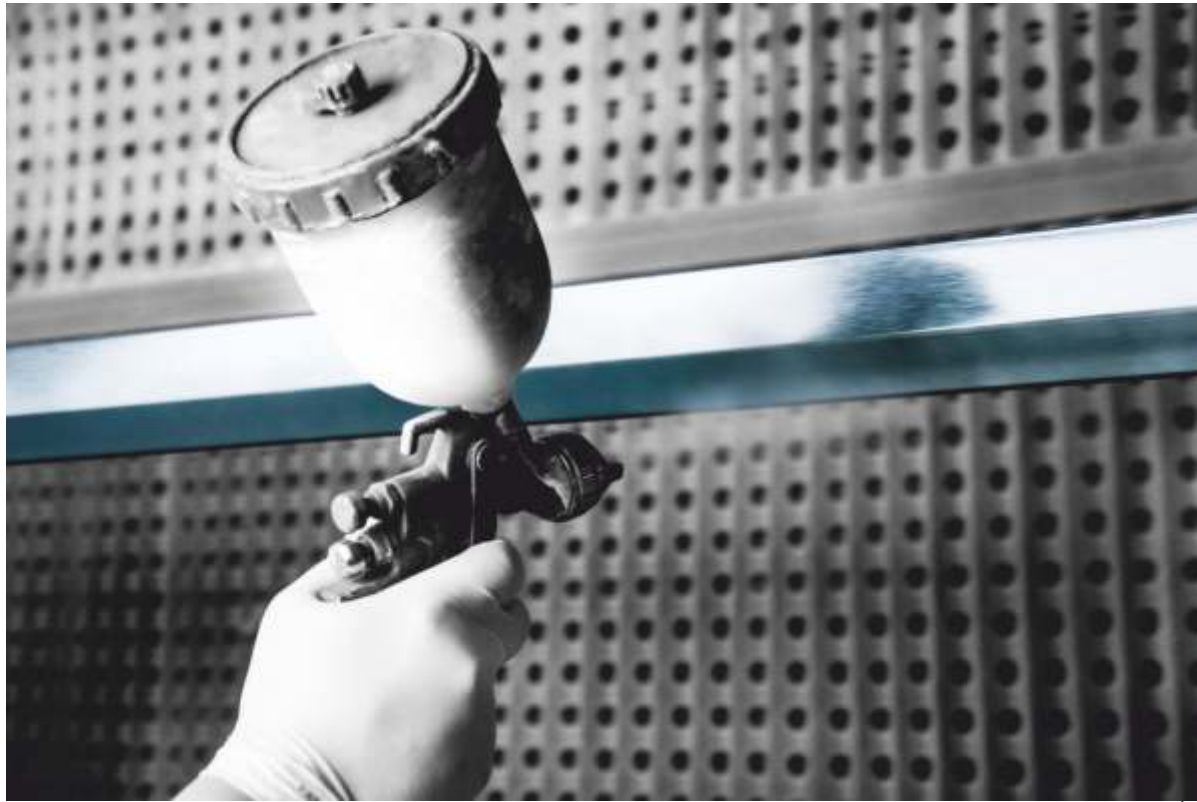
Developed by a team of PW VIKKING engineers proprietary technology is the subject of international patent protection. The attractiveness of the acquired visual effects provoked us also to patent an international industrial design.

Unique decoration system made by our team of engineers, is the object of international patent protection.

PVC surface decoration in RW technology eliminate veneering profiles necessity and ensures durability for years.

Real Wood windows do not require expensive maintenance unlike wooden windows.

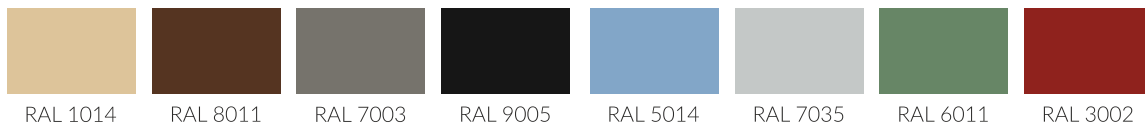




LACQUERED PROFILES

WINDOW COLORS

full RAL coloristics palette, also metallic and fluorescent colors.



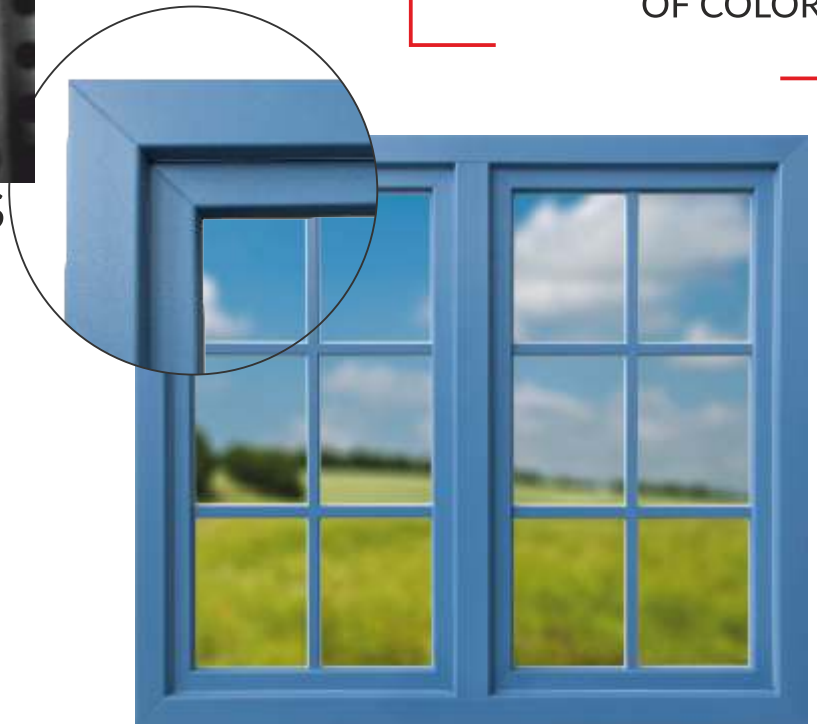
wood like colors

unique lacquering technology reflects the natural wood grain.



REAL WOOD windows are decorated with the highest quality ecological varnishes, ensuring long lasting colors. Smooth surfaces are varnished with powder coating to give the coating a unique structure. Full palette of colors allows you to match colors to your individual tastes and to create the most unique designs.

DISCOVER THE
FULLNESS
OF COLORS





coloring of the groove filling



SMOOTH SURFACE

LACQUERED RECESSES



FILLING THE FITTING GROOVE



REAL WOOD SURFACE



Available hinge color schemes

ARCTIC PLUS SYSTEM

The 1230 x 1480 mm reference window with a coefficient $U_g=0,5 \text{ W/m}^2\text{K}$ achieves a thermal insulation coefficient of $U_w=0,76 \text{ W/m}^2\text{K}$.



ARCTIC SYSTEM

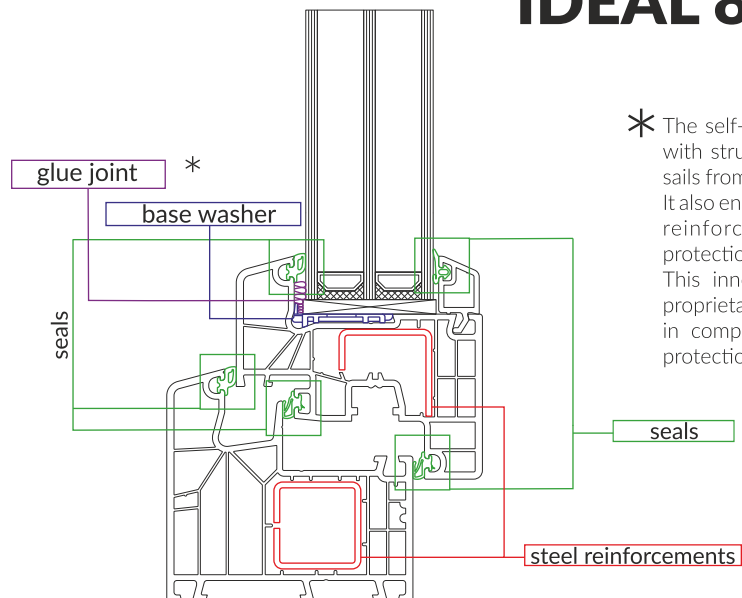
The 1230 x 1480 mm reference window with a coefficient $U_g=0,5 \text{ W/m}^2\text{K}$ achieves a thermal insulation coefficient of $U_w=0,79 \text{ W/m}^2\text{K}$.



Profile	Six chamber profile with thermal insulation value $U_g=1,0 \text{ W/m}^2\text{K}$
Profile thickness	85 mm
Glazing unit	triple
Max thickness of glazing unit	up to 51 mm
Seals	triple seals system with replaceable seals
Profiles surface decoration	Real Wood structure or smooth mutually optional different surfaces on each side
Coloristics	wood like decors or any colors from RAL palette
Energy efficiency (U_w)	$0,76 \text{ W/m}^2\text{K}$
Warranty	5 years

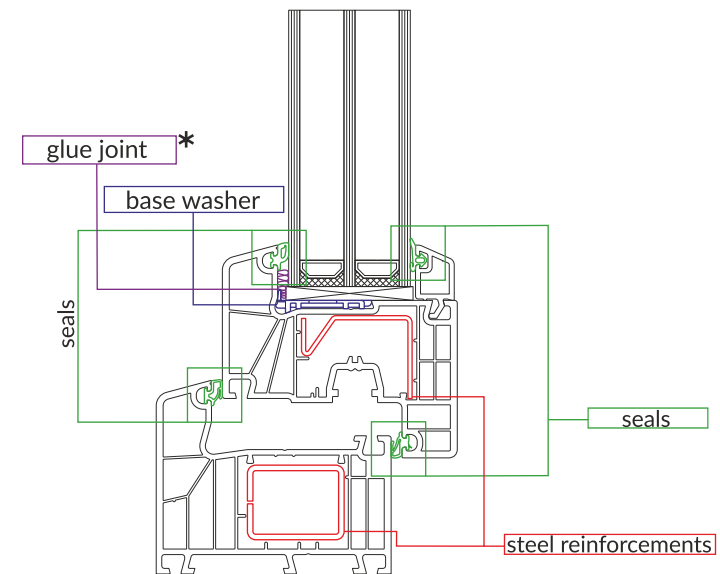
Profile	Six chamber profile with thermal insulation value $U_g=1,1 \text{ W/m}^2\text{K}$
Profile thickness	85 mm
Glazing unit	triple
Max thickness of glazing unit	up to 51 mm
Seals	double seals system with replaceable seals
Profiles surface decoration	Real Wood structure or smooth mutually optional different surfaces on each side
Coloristics	wood like decors or any colors from RAL palette
Energy efficiency (U_w)	$0,79 \text{ W/m}^2\text{K}$
Warranty	5 years

IDEAL 8000



* The self-adhesive combination of traditional glazing with structural gluing of glazing packs prevents the sills from falling, increases safety and comfort of use. It also enables the optimization of steel window frame reinforcements, which greatly influences the protection against loss of valuable energy. This innovative solution is a continuation of the proprietary structural method of window packs gluing in composite doors and is the subject of patent protection.

IDEAL 7000



PREMIUM SYSTEM

The 1230 x 1480 mm reference window with a coefficient $U_g = 1,1 \text{ W/m}^2\text{K}$ achieves a thermal insulation coefficient $U_w = 0,94 \text{ W/m}^2\text{K}$.



Profile	Five chamber profile with thermal insulation value $U_i = 1,3 - 1,4 \text{ W/m}^2\text{K}$
Profile thickness	70 mm
Glazing unit	triple
Max thickness of glazing unit	up to 41 mm
Seals	double seals system with replaceable seals
Profiles surface decoration	Real Wood structure or smooth mutually optional different surfaces on each side
Coloristics	wood like decors or any colors from RAL palette
Energy efficiency (U_w)	0,94 $\text{W/m}^2\text{K}$
Warranty	3 years

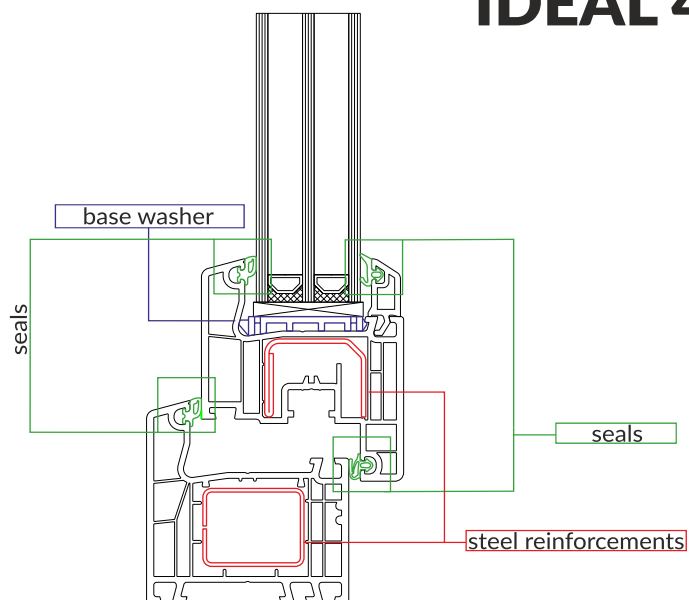
BASIC SYSTEM

The 1230 x 1480 mm reference window with a coefficient $U_g = 1,1 \text{ W/m}^2\text{K}$ achieves a thermal insulation coefficient of $U_w = 1,26 \text{ W/m}^2\text{K}$.



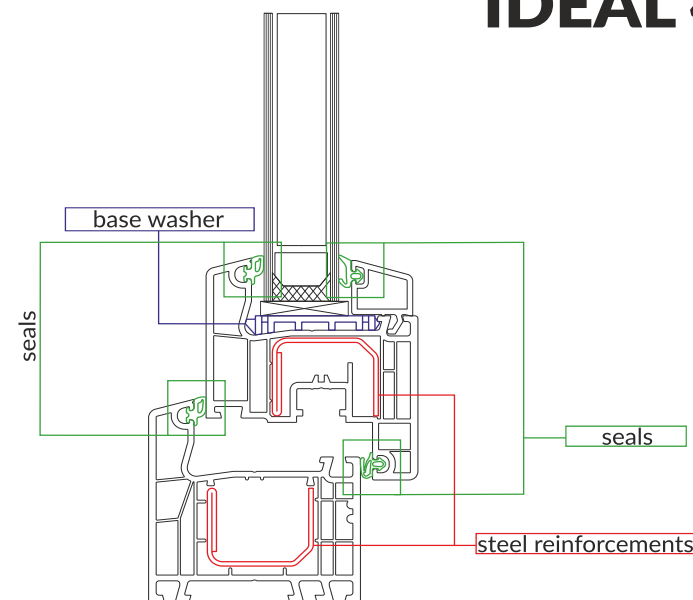
Profile	Five chamber profile with thermal insulation value $U_i = 1,3 - 1,4 \text{ W/m}^2\text{K}$
Profile thickness	70 mm
Glazing unit	double
Max thickness of glazing unit	up to 41 mm
Seals	double seals system with replaceable seals
Profiles surface decoration	smooth mutually
Coloristics	selected Aluplast veneers: mahogany, golden oak, walnut anthracite (sand structure)
Energy efficiency (U_w)	1,26 $\text{W/m}^2\text{K}$
Warranty	3 years

IDEAL 4000



**High quality products
at an affordable price!**

IDEAL 4000





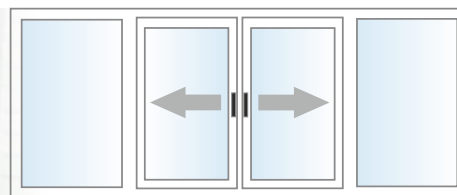
SLIDING CONSTRUCTIONS

SPACE COMFORT

TERRACE DOORS

- The HST lift-and-slide system is capable of producing a total width of up to 6 meters. Turning the ergonomic handle down, from closed position, lifts the wing a few millimeters, releasing pressure of the seals and ability to move a wings freely. Thanks to the highest quality fittings, sashes move freely without any resistance, relative to each other or with respect to non-open parts of the structure.
- HST terrace doors are available in several versions and wing systems. Variety of constructions is one of the undeniable advantages of this solution.
- The most popular HST doors schemes:
2-section, with one or two moving wings;
4-section, with two middle or all moving wings.
Specialized window fittings ensure that wings move freely and without any resistance relative to each other or to non-open parts of the structure. Modern architecture puts on large-format windows that meet high security, comfort, aesthetics and energy efficiency requirements.

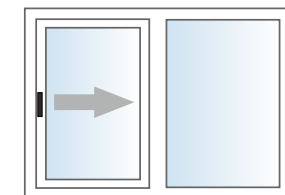
Possible HST door configurations:



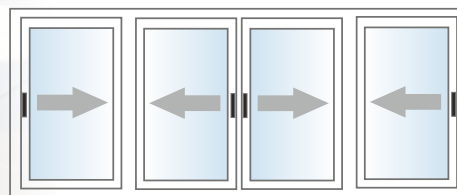
2 sliding wings



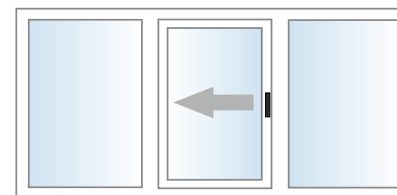
2 sliding wings



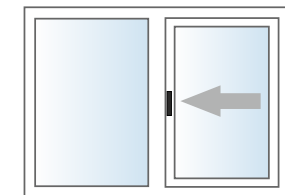
left sliding wing



4 sliding wings



1 sliding wing left or right



right sliding wings

GLAZING UNITS

FAMILYsilence



QUIET CITY

The noise level in an urban area often exceeds the one needed for relaxation. The **QUIET CITY** has a special design that suppresses the crashing sound waves that are characteristic for urban noise. It absorbs and weakens the sound energy acting as a barrier to noise. The special film layer also gives the glass additional safety glass properties.

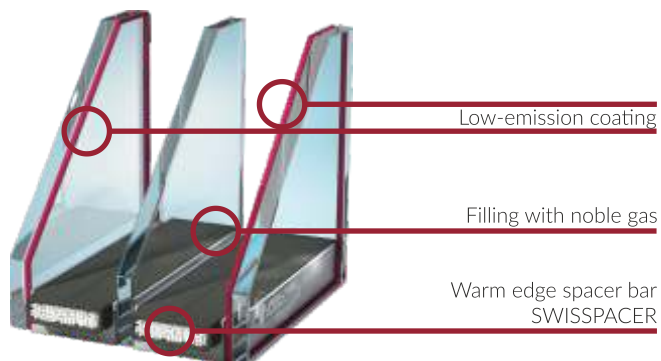


PEACEFUL SLEEP

Homes located near the airports are subjected to intense and continuous noise levels in excess of 70-90dB. The use of specially selected **PEACEFUL SLEEP** glazing units will provide audible noise reduction and increased comfort. The acoustic glass uses a special construction that suppresses the sound waves of very troublesome frequencies characteristic for airborne noise.



by SAINT-GOBAIN
CLIMATOP
Family



Low-emission coating

Filling with noble gas

Warm edge spacer bar
SWISSPACER

The optimal parameters of the CLIMATOP FAMILY glass are chosen so that the users are assured that glass they choose will meet their expectations.

Perfectly fitted to Your needs

Select the optimal package

FAMILYsafe



SAFE CHILDREN

Tempered toughened glass provides high strength in case of soft body impact, up to 5 times higher than standard non-tempered glass of the same thickness. When glass breaks, the result is only small glass fragments, just like the car window. "Safety glass" meets the requirements of various European building regulations and standards.



SAFE HOUSE

The **SAFE HOUSE** series of glass packages provide an effective burglar barrier. The use of two foil layers between the glass pane results in a P2 class of safety. An additional advantage is the reduction of UV transmission to the interior, which limits the fading colors of walls or furniture.

FAMILYeco



WINTER SAVINGS

The solution with particularly good thermal insulation parameters is dedicated to windows facing north. This side is undoubtedly the least sunlit part of the building. Often shaded, it is exposed to excessive cooling. In order to limit the heat loss, **WINTER SAVINGS** series with very good thermal insulation parameters should be used. We use the warmest **SWISSPACER** frames in this glass.



SUNNY GAIN

New generation solar energy-saving windscreens use advanced low-emissive coatings that trap heat inside the room while allowing more free energy to come in. The brightness of the **SUNNY GAIN** glass allows you to enjoy the sun longer than the standard double-chamber glass. We use the warmest **SWISSPACER** frames in **SUNNY GAIN** windows.



WINK HAUS

WINDOW FITTINGS

Window fittings are one of the most important elements of windows. From them depends which features will a window have. Please note that depending on the function of the room where the window is installed, various types of fittings can be used to provide increased burglary protection, economical ventilation or, for example, a child lock.

Invest in quality for years to come.

Tilt & Turn systems

FUNCTIONALITY

ActivPilot Concept fittings, thanks to the innovative locking system, based on octagonal mushroom-shaped spindles make it easy to change the standard of burglar protection of the window.



ELEGANCE

ActivPilot Select fittings are a tilt-and-turn fitting, completely hidden in the crankshaft.



HIDDEN HINGES

CONTROL

ActivPilot Control fittings have integrated magnetic sensors that signals when window is opened. At the same time they can control the operation of heating, air conditioning or kitchen extract.



Parallel positioning system

EXCLUSIVE PROTECTION

ActivPilot Comfort PADK with Tilt First function, in which it tilts ahead of the full opening, guarantees comfort and additional protection against undesirable opening of windows by children.

Parallel spacing of 6 mm ensures optimum air exchange in the room.



6mm

AUTOMATIC AIRING

ActivPilot Comfort PADM is a combination of mechanical folding fittings with additional function of parallel positioning of the wing from the frame and electric drive. The drive can control the moisture sensor or timer, allowing you to actively ventilate your home even when you are away from home with security against burglary.



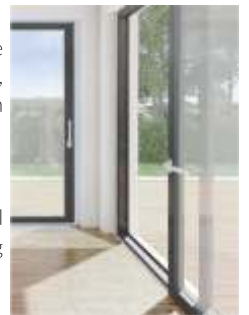
Tilt & Slide systems

WIDE POSSIBILITIES

DuoPort SK tilt and slide system dedicated to large glazing - depending on the chosen fittings model, allows installation of a wing up to 2000x2700mm and weight up to 200 kg.

DuoPortSK is available in two versions:

- **duoPort SK-S** with manual operation
- **duoPort SK-Z** is equipped with a special control handle to facilitate the tilting, sliding and closing even heavy wings.



HEALTHY CLIMATE

The duoPort PAS system gives sliding doors a new dimension of functionality. The function of paralleling wings from the frame allows natural, energy-saving ventilation, even in the absence of home. In the position of the parallel positioning of the wing, the fitting has the same anti-burglar class as in the closed position. Thanks to the built-in shock absorbers and energy storage devices, it is possible to freely move wings up to 160 kg.



parallel positioning system on 6mm.

REVOLUTIONARY AIRING

energy-saving airing
without drafts
parallel positioning
system on 6 mm

During the ventilation, a window meets the requirements of ENV 1627-1630 Class RC2, which acts as a closed window shutters.



REALCOMFORT

Innovative technologies.
Functional solutions.



NEW 2017

PVC DOORS - NEW OFFER



- profile system:
 - aluplast Ideal 7000 with installation depths 85mm
 - aluplast Ideal 4000 with installation depths 70mm
- filling with glazing unit or PVC panel
- structural gluing of glazing packs
- unusual shapes
- low aluminum threshold
- expanding profile systems
- horizontal or vertical ties
- full RAL palette coloristics or in many wood-like colors

**HIDDEN
HINGES**



Unlimited possibilities to configure
sizes, equipment and colors

Always precise **WINK
HAUS**



SEE HOW MANY POSSIBILITIES YOU HAVE	ARCTIC PLUS	ARCTIC	PREMIUM	BASIC
REALcomfort				
Micro-ventilation function - activPilot Comfort fittings, recommended for rooms requiring ventilation	S	S	S	S
Wing lift	S	S	S	NA
Hidden hinges (hinges in the windows will be hidden in the frame) - activPilot Select fittings	O	O	O	NA
Reflective glazing units (reflecting light)	O	O	O	NA
Low aluminum threshold for balcony windows	NA	O	O	NA
Roller blinds mounted to the window frame or adaptive, hand operated or electrically operated	O	O	O	O
REALsafe				
Fittings with parallel positioning on 6mm (tilt first PADK)	O	O	O	NA
Anti-burglary hook	S	S	S	S
Secustic handle (about increased security)	S	S	S	NA
Handle rotation lock	S	S	S	NA
Safe glazing units (hardened or glued)	O	O	O	NA
Anti-burglar glazing units (P4a class)	O	O	O	NA
REALwarm				
Climatop ONE (krypton) 4/12/4/12/4 $U_g=0,4$	O	O	O	NA
Climatop ONE (argon) 4/16/4/16/4 $U_g=0,5$	O	O	NA	NA
Climatop 0,6 (argon) 4/16/4/16/4 $U_g=0,6$	S	S	NA	NA
REALsilence				
Climatop Plus Silence Protect $R_w=51$ dB 44.2/20/64.2	O	O	O	NA
Climatop Silence $R_w=50$ dB 66.1/12/6/12/44.1	O	O	NA	NA
Contactron - window opening sensor	O	O	O	NA
Structural gluing of glazing units	O	O	NA	NA

Legend: S - standard; O - option; NA - not available

THREE-LAYER WARM INSTALLATION

The professional assembly of the joinery is a key issue that affects its subsequent use. Keep in mind that incorrectly assembled assembly carries many consequences. Warm installation also called layered will ensure tightness at the wall contact with the window. This method allows to greatly increase the insulation parameters of the contact area of the window with the wall by additional protection of the thermal insulation layer.

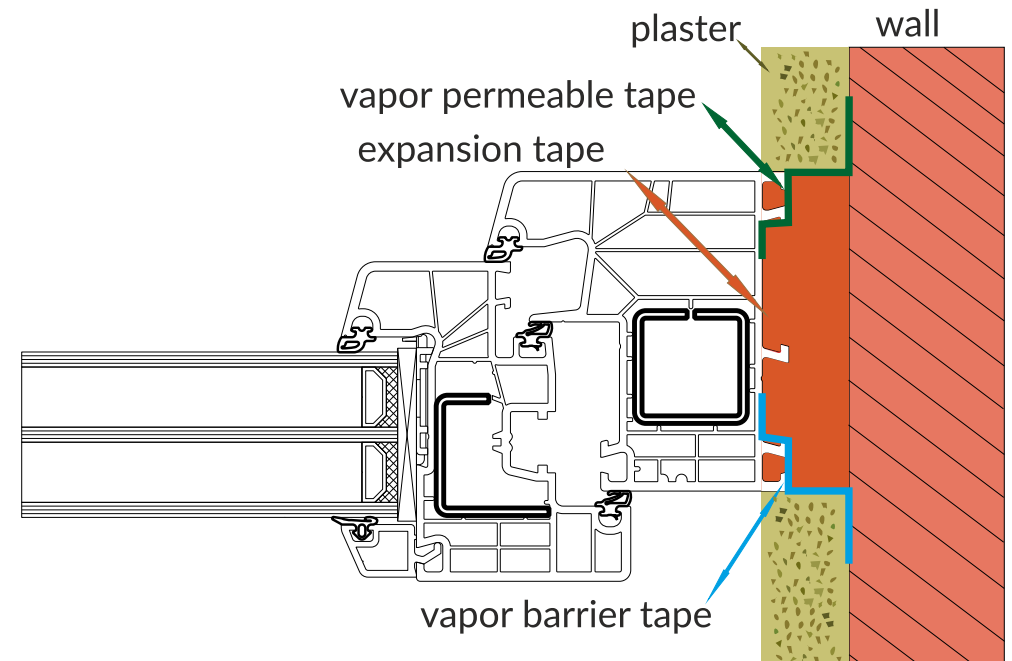
Warm installation consists of two additional insulation layers: internal - vapor barrier and external - vapor permeable. Correctly made, it prevents the penetration of moisture from the inside of the house to the heat insulation layer and at the same time facilitates the discharge of the accumulated moisture to the outside. Omitting this element may result in dampening of the window frame on which fungi and mold will develop.



The use of warm sills eliminates the risk of thermal bridges and condensation. By using them, the connection of the window to the wall is perfectly secured. The material from which the sill is made is easy to work so that it can be adjusted to each profile. Warm window sills accelerate the assembly of joinery, as it does not require the installation strips under the window. Profiles provide support for the inner and outer sills, making it easier to level up. Their use also increases the strength of heavy load.

outer side

inner side



Correct installation of windows is an investment in energy efficiency and guarantee of many years of comfortable use. Therefore choosing a professional and experienced assembly team is just as important as selecting the windows themselves.

**Top quality products
only from proven manufacturers!**

vapor permeable tape



expansion tape



vapor barrier tape



RICH HANDLES SELECTION

HANDLES DEDICATED TO HST DOORS

HANDLE TUPAI 293 O



HANDLE HOPPE SECUSTIC ATLANTA



HANDLE TUPAI 2275Q O



HANDLE HOPPE SECUSTIC LUXEMBOURG



HANDLE TUPAI 2732Q O



HANDLE TUPAI 1905



HS 300 BROWN



HS 300 F1



HS 300 WHITE



Choosing a handle is just as important as choosing a perfect window, so we make every effort to make the selection as great as possible. For effective accentuation of the window, it is worthwhile to choose a handle that will fit with shape, size and form not only with the dream window but also with the decor and character of the room. We have countless accessories available to satisfy every taste, both in terms of materials the handles are made of, but also shapes. We only offer the best quality products tested by us and our clients.

GLASS PATTERNS

Decorative glass works both decorative and functional. It is a perfect solution for natural interior lighting while maintaining the privacy of your room. Due to its decorative value, decorative glass is ideally suited for use as office walls, balustrade elements and even glass doors.

SATIMAT



MASTER-CARRE



MASTER RAY



MASTER-POINT



WATERDROP

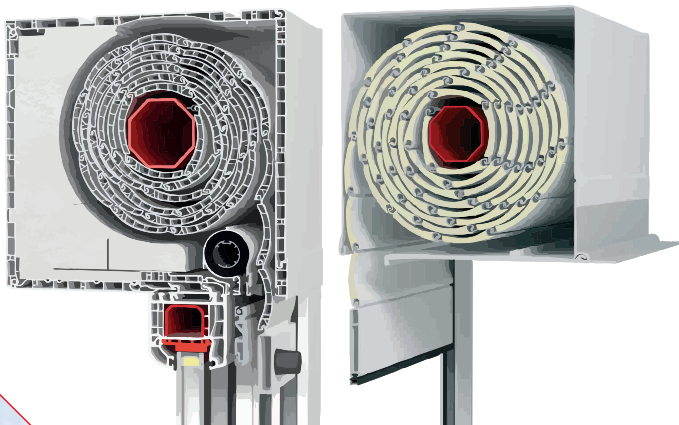


MONUMENTAL



ROLLER SHUTTERS

External roller blinds are good protection against burglary. They are not only used as home security but also as an excellent thermal and acoustic protection. Installation of external roller blinds provides many benefits in daily operation.

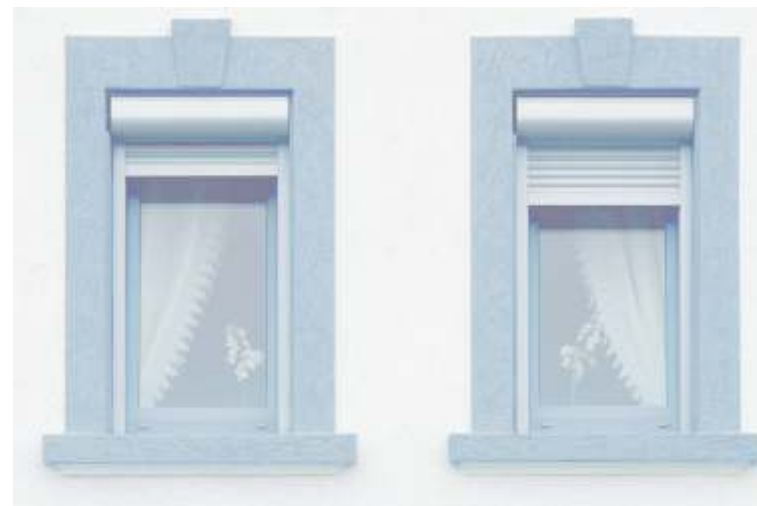


SAFETY AND PRIVACY

Roller blinds are perfect for protecting your home from both burglary and unwanted neighbors look.

COMFORTABLE OPERATION

Roller blinds can be controlled by a variety of drives - from the base to the strap or cable through the crank mechanism to the electric motors, which guarantee smooth and quiet operation of the roller shutter. It can also be supplemented by a remote control system connected to a smart home installation.



ENERGY SAVING

External roller shutters significantly contribute to energy savings by reducing heat loss in winter and limiting warming up in summer.

HEALTHY CLIMATE

The use of ventilation holes (perforations) allows for active air exchange in rooms with closed blinds while protecting homeowners from drafts.



PLEASE SEE OUR OFFER OF COMPOSITE ENTRY DOORS



Golden Emblem QI
for ENERGY-EFFICIENT
COMPOSITE DOORS
ARCTIC PLUS LINE



WARM



DURABLE



SAFE



Additional benefits include the SWISSPACER warm edge spacer bar that seals the edges of glazing units for perfect thermal insulation. The practicality and usefulness of the use of "warm frames" for the construction of glazing units is due to the fact that they allow to raise the window temperature from the side of the room at the contact of the frame and the pane. As a result, there is a significant reduction in the condensation phenomenon in this area.

The use of a "warm frame" for the construction of a glass package can have a significant impact on two important parameters of each window. The thermal permeability that is responsible for limiting the energy loss of this window and the condensation point temperature at the junction of the window with its sections, which in turn is important for the comfort of use, the windows and the rooms in which it is located.



warm edge space bar SWISSPACER

available coloristics

RENOVATION WINDOW SYSTEM

Renovation window system is used for windows installation without dismantling the old frame. Specificity of this type of windows derives from special renovation frames with masking profiles, which cover wooden window frame and creates characteristic band from the inside while from the outside we can use special enclosure profiles.

Masking profiles in frames have different diths but we are able to cut them to specific dimmensions. Application of renovation profiles reduces the risk of damage to the building facade and shortens the renovation time.



MOSQUITO NETS



Mosquito nets are a functional and practical protection against unwanted insects. They guarantee comfort at home even with an opened window and the light on. Simple way of fixing a mosquito net all around with swivel brackets without compromising window frame structure. The mosquito net mounted in the window increases its functionality and effectively protects the room from insects.

Weatherproof materials guarantee durability for years to come. The use of mosquito nets does not limit visibility.

Mosquito frames can be made in any color from the RAL palette.



blueCompact

Smartphone-managed access system

blueCompact - Winkhaus electronic access control

The simplest way to be safe



The winkhaus blueCompact is a modern access control system based on electronic inserts and keys. It is designed for objects with no more than 25 inserts and 99 users. It is managed through a free application for smartphones and tablets. This application is simple to use and can be installed on Android and iOS devices.

The most important element of the blueCompact system is the active key, which stores the full configuration of the system. This key, called the master, is equipped with a bluetooth module that communicates with the application. User inserts and keys are programmed using the master key, and the application is a "viewer" of the data. Thanks to this, the blueCompact system can be managed with a variety of devices.

Safe

- Class 6 security

Simple

- Unique system with intelligent operation

Fast

- Efficient response if key is lost

Precise

- Review of closures and openings

Elastic

- Remote allocation of permissions

Modular

- Expandable and easy to assemble





MANUFACTURER

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