

A modern interior space with large vertical windows and a wooden deck. The view outside shows a lake, a stone tower, and mountains. The text "SEE BEYOND" is overlaid in the center.

SEE BEYOND

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LOBOLISTONE.COM

 FAKRO® |  INNOVIEW

VERTICAL WINDOWS



The history of FAKRO dates back to 1991 in Nowy Sacz, Southern Poland with the production of a range of Roof Windows and Loft Ladders for the Polish market. Soon after the exportation of products began which contributed to the dynamic growth of FAKRO products across Europe.

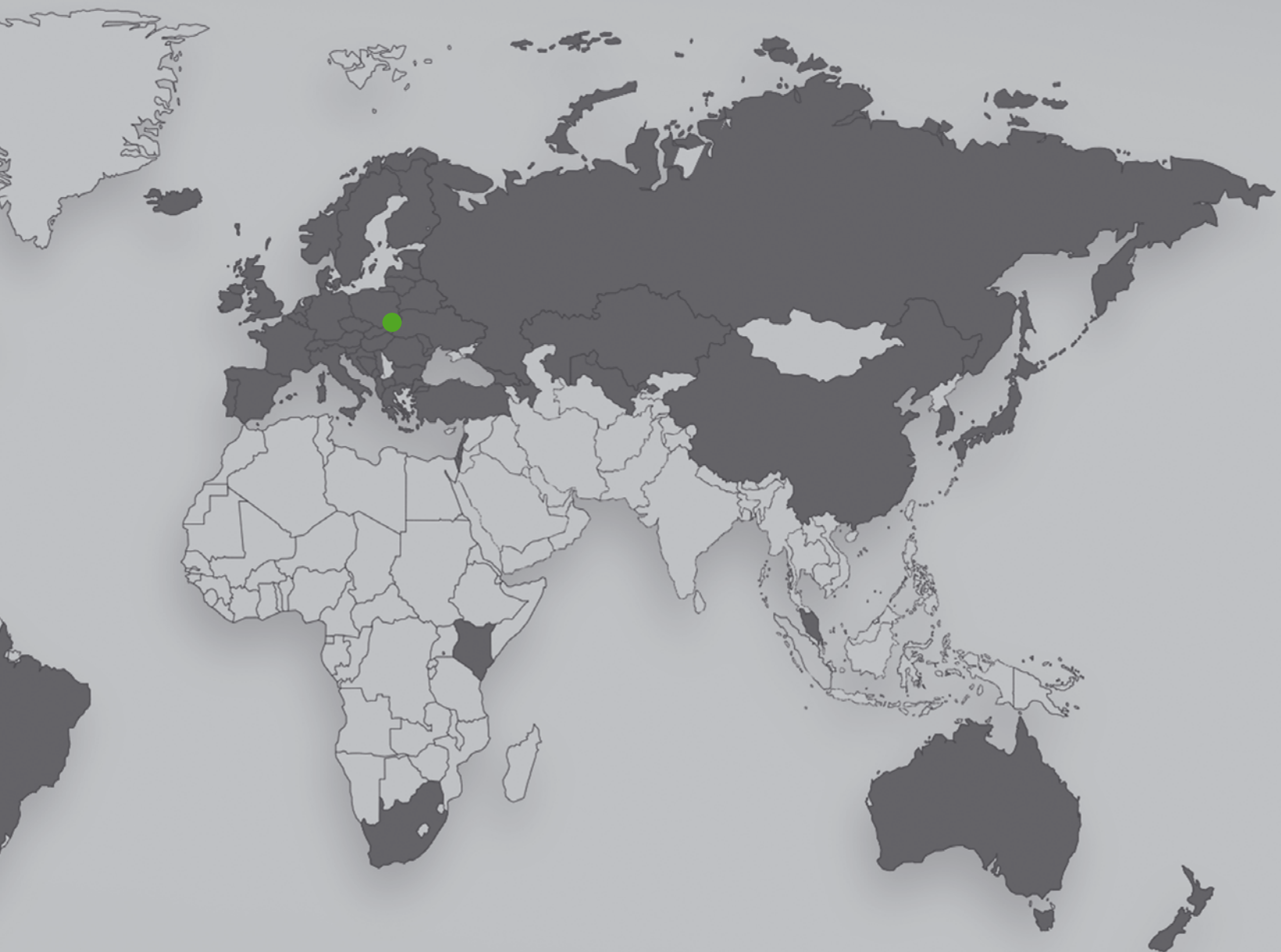
Now after more than 25 years FAKRO are acknowledged as the second largest manufacturer of roof windows in the world with an estimated global market share in excess of 15%



POSITION OF FAKRO

in the field of joinery is defined by the production of top quality and high performing products. Windows installed in the roof are required to be of the highest durability to withstand the constant changes in weather conditions. Their design and workmanship must not only meet these demands but also incorporate quality, air and water tightness, comfort of operation and be aesthetically pleasing on the eye. FAKRO have been manufacturing an aluminium and timber clad roof windows to customers all across the world for more than 25 years and continue to lead the way in product innovation.

The vast experience gained in the design of the roof window has allowed us to transfer our knowledge and values to the manufacture of high quality INNOVIEW vertical windows and doors.



The FAKRO Group, which employs more than 3 300 people, consists of 12 production plants and 16 distribution companies located across Europe, Asia and America. Having an extensive distribution network means that our products are available wherever there is a demand. FAKRO products can be found in over 50 countries around the World. Over 100 design engineers work in the FAKRO Research & Development Centre which is located in the Group Head Office, where they transform ideas into innovative solutions and new products. Innovation is in the DNA of FAKRO and one of the main driving forces behind its continual development. This philosophy of thinking outside the box provides new solutions and greater functionality as well as high quality products. FAKRO have over 160 patent applications reflecting the desire of the Company to keep improving the products offered.



INNOVIEW BRAND NEW LOOK AT LIVING SPACE

FAKRO products are designed to change the concept of the interior and allow the room to be flooded with natural daylight. A home is no longer just about what is inside, its about blending the external environment into the living areas and creating interiors that are brought to life with natural daylight.

LARGE-SIZED WINDOWS AND DOORS CHANGE THE PERCEPTION OF LIVING SPACES

FAKRO windows open the space found inside the home. Having the ability to offer wide configurations of INNOVIEW windows and doors can transform the interior design and change the perspective as well as the view, making them an important consideration in the design of your home.



SEE BEYOND

INNOVIEW windows can provide stunning views which reveal more with every day and bring the outside to the inside. The world seen through the windows of your home is more exciting than you could have ever expected. Just simply get a closer look.



1. VISIT WWW.FAKRO.COM/INNOVIEW
OR SCAN QR CODE



2. DOWNLOAD AND INSTALL APP
3. RUN APP AND AIM YOUR MOBILE
DEVICE AT PICTURE
4. SEE MORE





PERFECT COMBINATION OF WOOD AND ALUMINIUM

The FAKRO design engineers have joined forces with the leaders in the supply of hardware and aluminium to develop the most advanced technology in combining aluminium profiles with timber which has resulted in a seamless connection to give a unique and visually appealing product.

The Innovative combination of wood and aluminium in INNOVIEW products is the engineering of tomorrow that you can enjoy today.





WOODEN & ALUMINIUM WINDOWS
CONTRARY TO WOODEN WINDOWS
DO NOT REQUIRE RENOVATION.



Powder coated aluminium profiles give smart aesthetics as well as complete protection to the fully finished timber engineered components, which ensure high resistance to external conditions. The natural timber used on the inside ensures a warm feel with impeccable appearance.



ADVANTAGES OF INNOVIEW WINDOWS

DURABILITY

Windows for many years to come

The innovative combination of the timber frame and aluminium cladding is not only a new trend in architecture and design, it also enhances the durability of vertical windows and doors. The technology applied and the appropriate materials allow for long-term operation of wooden-aluminium windows without the need for their maintenance. The latest hardware elements provided by Siegenia secure trouble-free use for many years to come. Advanced production techniques and high quality materials give longevity in both appearance and operation of INNOVIEW windows, where the requirements for maintenance is greatly reduced. Using the latest hardware components provided by Siegenia ensures trouble free operation and ease of use.

SAFETY

House as an oasis of peace and security

By using modern hardware and locking systems in conjunction with RC1 anti burglary glazing units as standard all INNOVIEW windows feature increased resistance to unwanted entry and provide the homeowner with the comfort of being both safe and secure. It is also possible to produce windows characterised by a greater number of security features in class RC2.

ENERGY-EFFICIENCY

Warmth in your house

In addition to providing rooms with a spectacular view and an abundance of natural daylight INNOVIEW windows and doors also provide excellent thermal performance. Windows are required to protect against heat loss and a vital element in achieving this is the glazing unit. INNOVIEW windows are available in both triple and quadruple glazed variants thus giving the homeowner a choice. With the larger timber sections applied to the quadruple glazing the energy efficient parameters of the window are further enhanced.

COMFORT

Operating the window is simply a pleasure

By using state of the art ironmongery and hardware the operation of the window is comfortable. Built in solutions ensuring long-term and trouble-free use will be appreciated by every user.

TIGHTNESS

Windows resistant to extreme weather conditions

With a quadruple sealing system the INNOVIEW windows offer complete protection from extreme weather conditions making them ideal for exposed locations. Technical solutions applied in external seals prevent rainwater from entering the room and having direct contact with timber structure.

AESTHETICS

Beauty in your house and all around

Using a modern design coupled with a wide range of colour options INNOVIEW windows and doors are available in a range of shapes and sizes giving the designer the opportunity to use their imagination in creating the ideal solution. The latest technology and technical solutions in the use of timber and aluminium provide a perfect combination of appearance, functionality and ergonomics. The seamless jointing method of the aluminium profiles provides a visually pleasing appearance. The timber is perfectly finished on the inside and the handles come with a beautiful polished finish to create unique and very aesthetically pleasing product.



INDIVIDUAL SOLUTIONS

Tailor-made windows

INNOVIEW windows and doors can be manufactured to suit individual projects allowing each property to have its own unique identity and allow the design to perfectly fit the character of the house.

With the choice of three types of aluminium profile, three types of timber and two options of timber profile coupled with a wide range of colour schemes (to both the internal and external finishes) it is now possible to create an infinite number of combinations.

CAREFULLY SELECTED WOOD

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CAREFULLY SELECTED WOOD

Timber has traditionally been used in the construction industry for many centuries due to its durability and eco-friendly properties. The use of selected timber in the construction of joinery ensures a very high thermal insulation performance as well as providing a rigid and stable structure even when used with large glazing areas. The fully finished INNOVIEW Timber windows and doors provide a modern and pleasing style to the room that will be long lasting in performance and appearance



WOOD TYPES

INNOVIEW windows and doors are available in three species of timber allowing a choice to suit the internal décor.

Meranti

– a hardwood that offers high durability and resistance to moisture.

Oak

– a hardwood that gives high strength and resistance to abrasion.

Pine

– high strength, durability and resistance to moisture.





SASH CORNERS ARE JOINED USING TENONING METHOD. JOINING TIMBER WITH THIS TECHNIQUE SIGNIFICANTLY ADDS TO QUALITY AND RIGIDITY OF THE CONNECTION.



CORNERS

The windows and doors are assembled using the tenon joint method which provides rigidity, strength and stability as well as longevity to the construction.

WOOD PROFILE SHAPES

Two finish options of the sash inner side allow individual selection of windows to suit many room types:



Wooden profile **Classic**

- With a slight angled profile of 12° to give a soft and smooth line. This angle is the same as that of the FAKRO roof windows and will naturally allow the use of FAKRO internal accessories.



Wooden profile **Regular**

- This is a straight and more modern profile which is designed for use with interiors that have a more modern feel to them.



AESTHETICS & COLOURS

Modern techniques allow the timber elements to be offered in different colours. Complete RAL palette in two types of finish – matt and satin in connection with specially designed covering structures (including wood-like layers) enables complete freedom in window design. By applying modern colours it is easy to adapt the character of the room from classic to very modern.



PERFECTLY SMOOTH WOOD
SURFACE WITHOUT VISIBLE
MICRO-DOVETAIL JOINTS.



SAMPLE WOOD COLOURS

MERANTI
DARK

OAK
OILED

OAK
ISOPUR GIO

PINE
SEPIA

PINE
CONCRETE GREY

PINE
FOREST GREEN

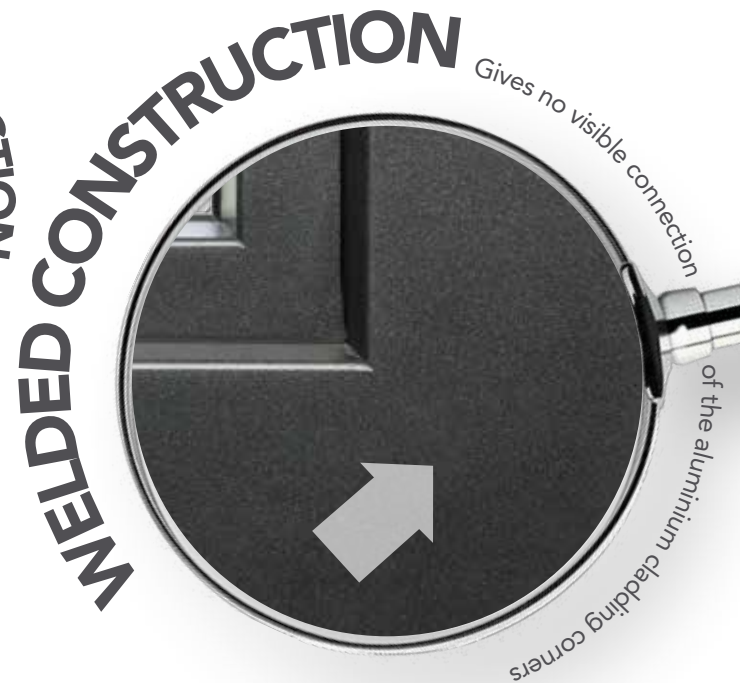
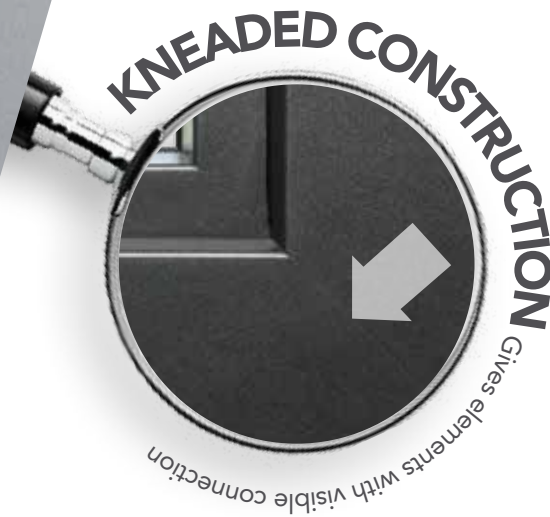
DURABLE ALUMINIUM CLADDING

Aluminium cladding provides excellent resistance to the ever changing external weather conditions and by using the highest quality raw material INNOVIEW windows and doors are extremely durable, easy to maintain and very aesthetically pleasing on the eye. This type of construction also provides the perfect protection to the wooden internal elements, while enhanced durability eliminates the need for maintenance. An additional benefit is the increased rigidity of the complete structure.





PERFECTLY SMOOTH ALUMINIUM
CORNERS WITH NO VISIBLE WELDS
TO GIVE A SEAMLESS LOOK.



CORNER CONNECTION TYPES





ALUMINIUM PROFILE OPTIONS

The main feature and hallmark of INNOVIEW windows is shape of the outer aluminium cladding – available in three options: SOFT, MODERN and PURE.





SELECTED, UNIQUE COLOURS
AVAILABLE IN OFFER.

SAMPLE ALUMINIUM COLOURS

More than 250 colours from the RAL palette are available,
as well as many special colours, meaning that there is
a wide range of options to suit personal tastes and decors.

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3-16

2-8

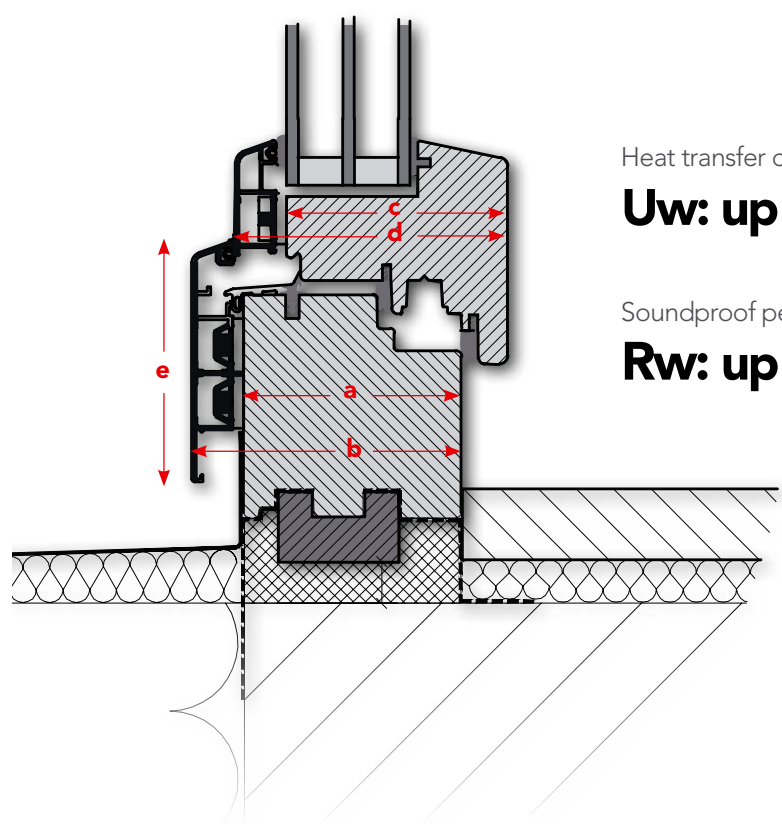
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1-01

SOFT

A classic shape for external sash profiles found in many solutions. With a soft and delicate shape the profile blends perfectly well with both classic and more modern architectural designs. The SOFT profile covers the widest range of options available and is characterised by high functionality and a classic appearance, whilst giving a high level of performance that can be applied to many universal applications.



Heat transfer coefficient
Uw: up to 0.68 W/m²K

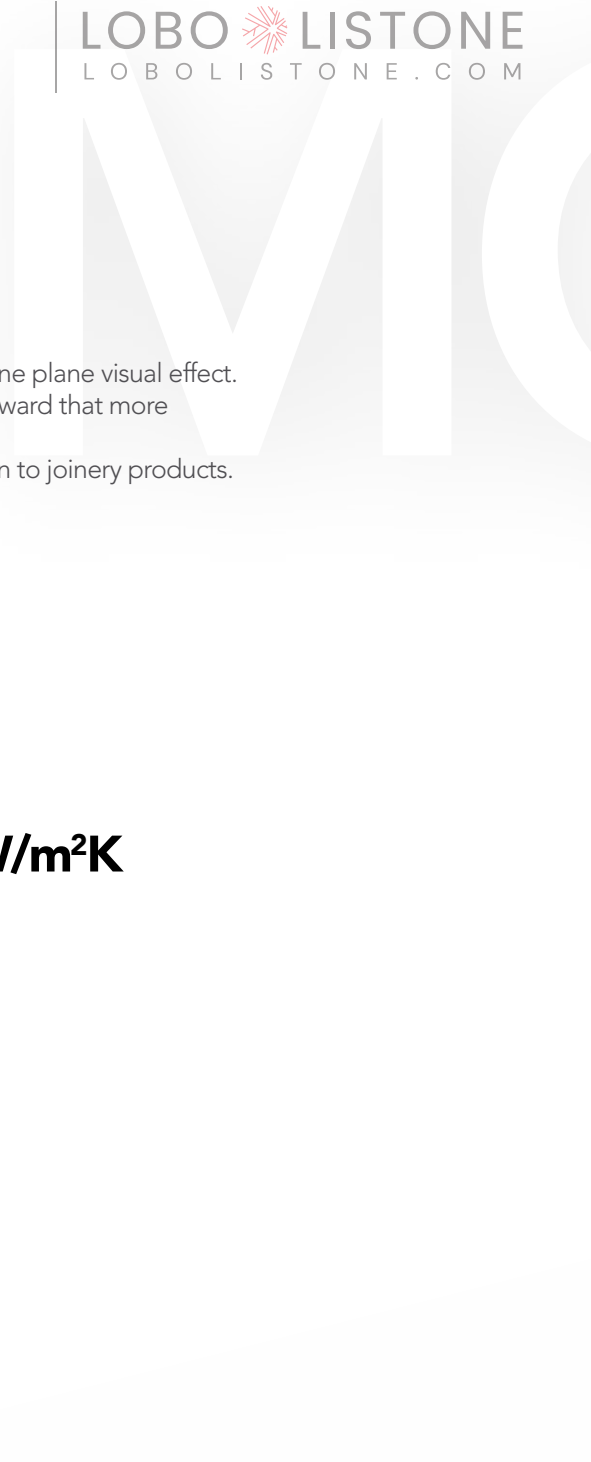
Soundproof performance
Rw: up to 45 dB

SOFT		68 mm	78 mm	92 mm
Aluminium cladding height (e)		66 mm / 86 mm / 96 mm		
Frame thickness	Wood (a)	68 mm	78 mm	92 mm
	Wood + aluminium (b)	87 mm	97 mm	111 mm
Sash thickness	Wood (c)	69 mm	79 mm	93 mm
	Wood + aluminium (d)	88 mm	98 mm	112 mm
Threshold sizes of a single chamber (excluding fixed windows and hidden sashes)		305 – 1500 x 310 - 1500 mm 305 – 1100 x 310 – 2200 mm		



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W/m²K

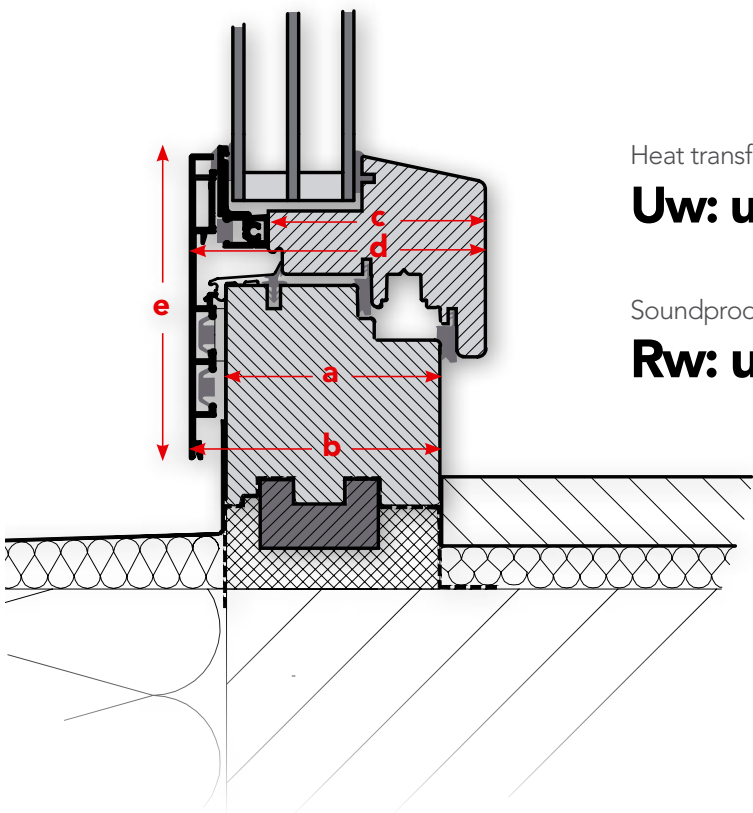
	92 mm
nm	
	92 mm
	105 mm
	93 mm
	121 mm
1500 mm 2200 mm	



ORDER HERE

PURE

A pure and simple design that incorporates a flat aluminium surface with a very modern shape. PURE is characterized by the use of a concealed sash profile which creates the effect of a single frame (as in the case with fixed windows). With the sash hidden behind the frame it gives the impression that it is non opening, but it remains fully functional. This gives the design the appearance of a modern and minimalist building.



Heat transfer coefficient

Uw: up to **0.70 W/m²K**

Soundproof performance

Rw: up to **45 dB**

PURE		68 mm	78 mm	92 mm
Aluminium cladding height (e)		81 mm / 100 mm / 110 mm		
Frame thickness	Wood (a)	68 mm	78 mm	92 mm
	Wood + aluminium (b)	81 mm	91 mm	105 mm
Sash thickness	Wood (c)	69 mm	79 mm	93 mm
	Wood + aluminium (d)	87 mm	97 mm	111 mm
Threshold sizes of a single chamber (excluding fixed windows and hidden sashes)		305 – 1500 x 310 - 1500 mm 305 – 1100 x 310 – 2200 mm		

DETAIL

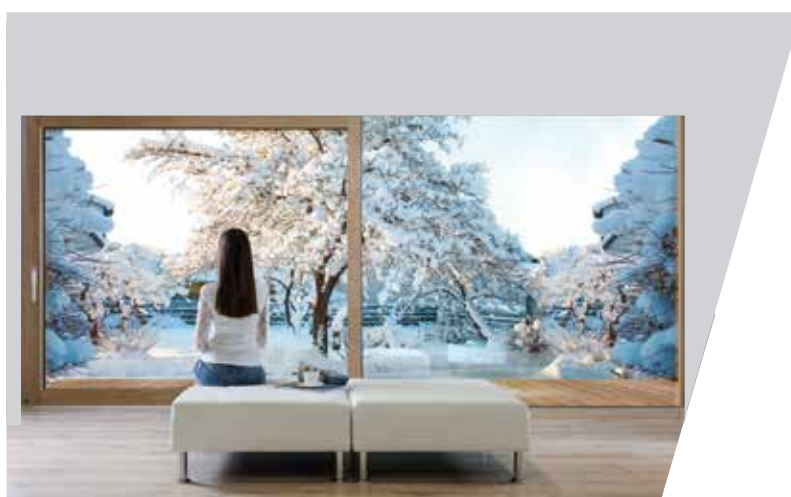


ENERGY-EFFICIENT GLAZING UNITS

To enhance the thermal performance of the glazing units they come with warm and durable spacers. They all are constructed with low emission coating to reduce heat gain in the room and the glazing cavity is filled with argon, an inert gas.

ENERGY BALANCE

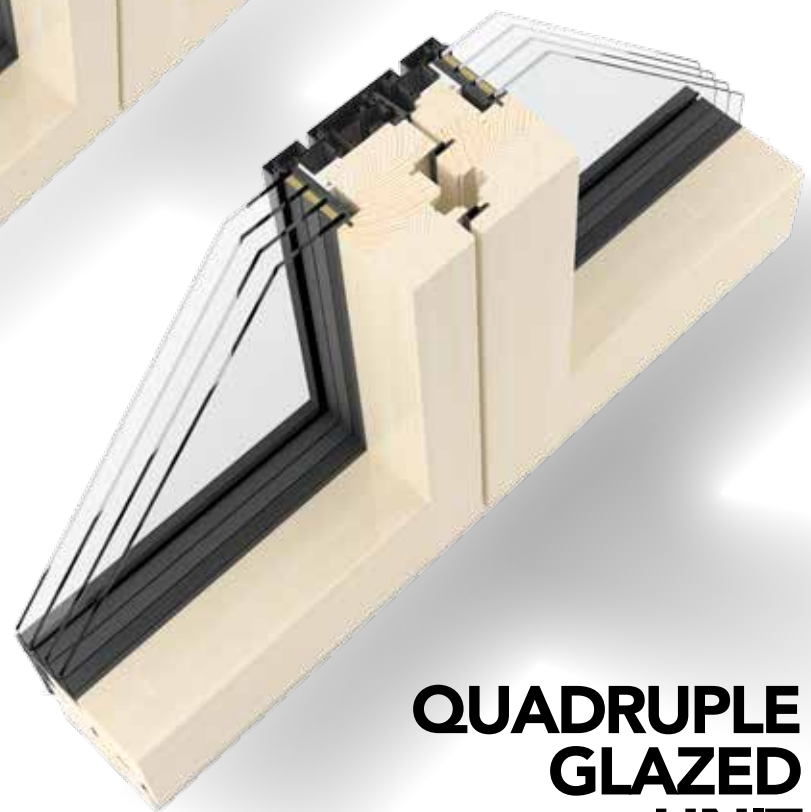
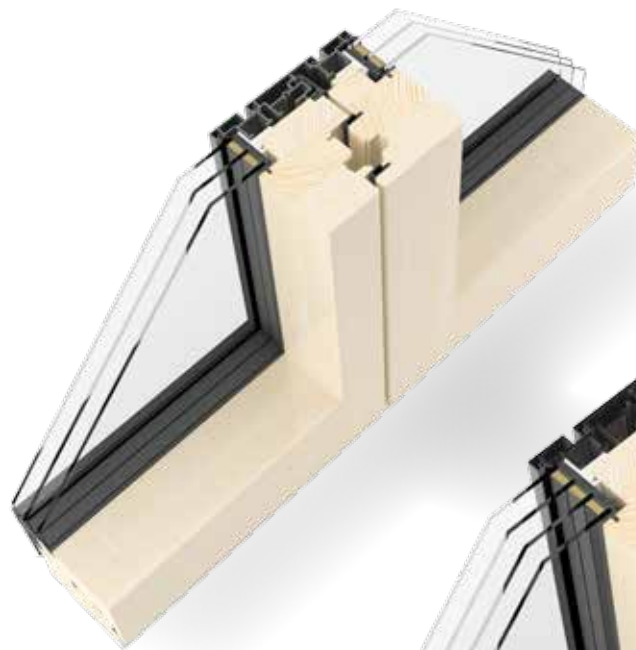
INNOVIEW windows can be equipped with energy-efficient glazing units which not only allow for the influx of natural light, but also ensure high energy savings. Large-sized windows also act as means of passive heating on sunny winter days. Living rooms with large glass areas on the south or south-west elevation feature very good exposure to the sun. Naturally, warm rays of the sun heat up the room, reducing the heat demand in the building during winter days.





GLAZING UNITS USING
EXCLUSIVELY WARM TGI SPACERS.

TRIPLE GLAZED UNIT



QUADRUPLE GLAZED UNIT

Glazing unit	Double chamber	Triple chamber
Structure	4-12-4-12-4	4-12-4-10-4-10-4
Glazing unit width [mm]	36	48
U _g – glazing U-value [W/m ² K]	0.7	0,3
g – solar factor [%]	52.7	29
τ _v – light transmittance factor [%]	74.1	44
τ _{uv} – UV transmittance [%]	22.4	5



INNOVIEW windows do not contain silicone which over time loses its quality and aesthetic parameters. The glazing unit used in all INNOVIEW windows is fitted to the frame by the use of seals made from EPDM material to give a secure and durable connection of glass to the timber. This is not only much more aesthetically pleasing but most importantly it gives a very high level of tightness and resistance to the external weather conditions.





GLAZING UNIT IS MOUNTED IN THE SASH WOODEN STRUCTURE BY MEANS OF "DRY GLAZING" TECHNIQUE. SEALS ARE APPLIED INSTEAD OF SILICONE.

SAMPLE GLAZING STRUCTURES



ORN NIAGARA



SGG WATERFALL



SGG MASTER-POINT



SGG ALTDEUTCH



SGG WATERDROP



SGG SILVIT



SGG MASTER-CARRE



ORN SATINOVO



SGG MIRASTAR

The ability to offer glazing with a clearly marked structure not only gives very good aesthetics it also gives the feeling of privacy by dispersing the view through the glass

Should the glazing unit need to be replaced it is a simple and non-invasive operation. In direct contrast to traditional wooden windows or timber-aluminium combi windows there is no requirement to remove glazing beads and remove silicone etc. The use of a dry glazing technique and aluminium profiles it is a simple operation to remove the external profiles and replace the glazing unit.

CUTTING-EDGE HARDWARE

Mechanisms used in INNOVIEW windows are the latest solutions offered by the leader of the market for hardware elements. These solutions are provided by Siegenia, a company with many years of experience in the window hardware industry.

Special sliders and a roller lifter ensure that the positioning of the sash in the window frame is always correct. This allows for comfortable closing and easy locking of the window or door which leads to increased durability and ensures a long service life of the window.



Mushroom cam with integrated height adjustment automatically adapts to the hardware and saves the location, thus ensuring optimum position and durable closing system.





SIEGENIA HARDWARE
AUTOMATICALLY ADAPTS TO
EXTERNAL FACTORS, ALWAYS
ENSURING CORRECT
SASH LOCKING POSITION.

MULTI-POINT LOCK HARDWARE

Very easy operation of any type of the sash
irrespective of its size.



MULTI-FUNCTIONAL CORNER

In comparison to other corners, it can simultaneously perform
the following functions:

- tilt fastener
- locking by means of rotary mushroom cam
- sash lifter
- lock of improper sash operation

CONCEALED HINGE SIDE

The subtle design of the concealed SIEGENIA Axxent hinge side demonstrates that invisible can also be a mark of high quality and style.

- Load capacity up to 150 kg without the use of additional components.
- Compact design perfect for small windows.
- Stepless adjustment of the clamp on both hinges guarantees optimum tightness, exceptional durability and low wear.
- Bottom hinge is protected against dirt by the appropriate cover.
- Easy installation of the sash in the open or tilt position.
- Comfortable adjustment in three planes.



AESTHETICS

When the sashes are in the closed position the hinges are completely hidden which further improves the aesthetic appearance of the window.

CLASSIC HINGE SIDE

In addition to an extraordinary design, the SIEGENIA hinge side specifically intended for wooden windows features a high level of safety and security as well as numerous other benefits.

- Superior, slender shape of the hinge side. The upper and lower hinge do not protrude beyond the edge of the sash, but is set in flush with it.
- In addition, all fixing screws are invisible.
- Range of use up to 150 kg with identical hinge dimensions.
- Hinge lined with plastic to reduce friction.
- Integrated window opening restrictor.
- Anti-burglary security when the window left ajar.
- Possibility to use covers or lacquering.



AESTHETICS

Hinges do not protrude beyond the edges of the sash as they are set in flush with it, while screws are concealed by hinges.

CUTTING-EDGE HARDWARE

The state-of-the-art hardware system makes all INNOVIEW windows manufactured to **RC1** safety class. This solution provides windows with increased operational and anti-burglary security. It is also possible to produce windows characterised by a greater number of security features in class **RC2**. All INNOVIEW slide doors feature increased resistance to burglary and provide what matters most in your house – a sense of being safe and secure.

HARDWARE IN SAFETY CLASS

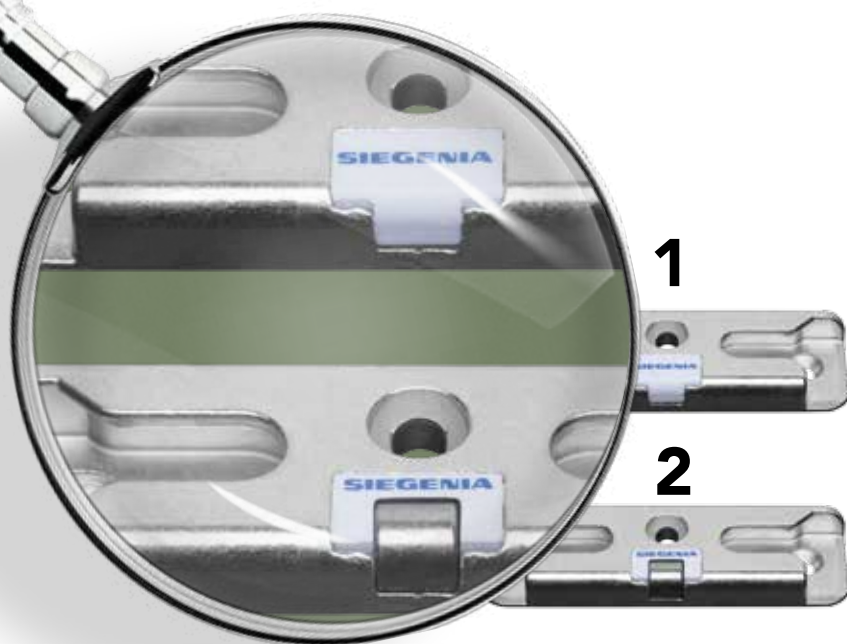




STANDARD WINDOWS ARE MANUFACTURED IN RC1 SAFETY CLASS. POSSIBILITY OF EXTENSION TO RC2 SAFETY CLASS FOR THE WHOLE STRUCTURE.

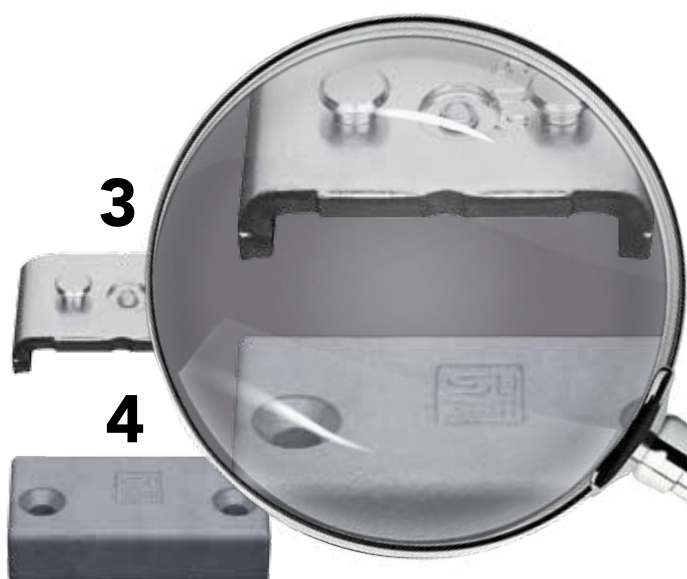
ANTI-BURGLARY LOCK

- High security level.
- Comfort of operation thanks to the use of roller lifter.
- In combination with rotary mushroom cam enables easy window operation.
- Resistant to wear.
- Attractive design of anti-burglary locks. Homogeneous appearance with other frame elements thanks to them being the same length.



1

2



3

4

HANDLE

A visible element to every window. Ergonomics, modern design and the possibility to choose the right colour complement the overall look of the product.

ATLANTA HOPPE



LUXEMBURG HOPPE



AMSTERDAM





SECUSTIC® TECHNOLOGY
APPLIED IN HOPPE HANDLES
WITH A PATENTED LOCKING
MECHANISM WHICH PROVIDES
INTEGRATED PROTECTION AGAINST
UNAUTHORISED ATTEMPTS OF ENTRY
FROM FROM THE OUTSIDE.

SI-LINE SIEGENIA



TOULON HOPPE



TECHNICAL DATA

WOODEN-ALUMINIUM SYSTEMS



SOFT

INNER FRAME	Wood Pine / Oak / Meranti (exotic)	
WOOD CROSS-SECTION THICKNESS	68 mm, 78 mm, 92 mm	
WOOD FINISH OPTIONS	CLASSIC REGULAR	
STRUCTURES POSSIBLE TO BE MANUFACTURED	<ul style="list-style-type: none"> • Tilt and turn window • Fixed window • Arc window • Multi-sash windows with fixed mullion • Multi-sash windows with movable mullion • Structural mullion bar • Balcony doors with low aluminium threshold • Tilt and slide doors PSK • Lift and slide doors HST 	
BENDING OF SASH AND FRAME PROFILES	Rmin = 550 mm	
OUTER FRAME	High-strength aluminium cladding	
CORNER CONNECTION	WELDED KNEADED	
CLADDING HEIGHT ON FRAME	66 mm, 86 mm (standard), 96 mm	
HARDWARE	SIEGENIA AXXENT CONCEALED HINGE SIDE SIEGENIA CLASSIC HINGE SIDE	
HARDWARE SAFETY CLASS	RC1 AS STANDARD RC2	
SEALS	4	
GLAZING UNIT TYPE	TRIPLE GLAZING (THREE PANES)	QUADRUPLE GLAZING (FOUR PANES)
GLAZING UNIT THICKNESS	36-64 mm	48-64 mm
Glazing U-value [W/m²K]	0.5 W/m²K	0.3 W/m²K
Window U-value [W/m²K]	0.82 W/m²K	0.68 W/m²K
Soundproof performance Rw	up to 45dB	up to 45dB



MODERN

Wood Pine / Oak / Meranti (exotic)	
68 mm, 78 mm, 92 mm	
CLASSIC REGULAR	
<ul style="list-style-type: none"> • Tilt and turn window • Fixed window • Multi-sash windows with fixed mullion • Multi-sash windows with movable mullion • Structural mullion bar • Balcony doors with low aluminium threshold • Tilt and slide doors PSK • Lift and slide doors HST 	
Rmin = 360 mm	
High-strength aluminium cladding	
WELDED KNEADED	
66 mm, 86 mm (standard)	
SIEGENIA AXXENT CONCEALED HINGE SIDE SIEGENIA CLASSIC HINGE SIDE	
RC1 AS STANDARD RC2	
4	
TRIPLE GLAZING (THREE PANES)	QUADRUPLE GLAZING (FOUR PANES)
36-64 mm	48-64 mm
0.5 W/m²K	0.3 W/m²K
0.85 W/m²K	0.72 W/m²K
up to 45dB	up to 45dB

PURE

Wood Pine / Oak / Meranti (exotic)	
68 mm, 78 mm, 92 mm	
CLASSIC REGULAR	
<ul style="list-style-type: none"> • Tilt and turn window • Fixed window • Multi-sash windows with fixed mullion • Multi-sash windows with movable mullion • Structural mullion bar • Balcony doors with low aluminium threshold • Tilt and slide doors PSK • Lift and slide doors HST 	
-	
High-strength aluminium cladding	
WELDED KNEADED	
81 mm, 100 mm, 110 mm (standard)	
SIEGENIA AXXENT CONCEALED HINGE SIDE SIEGENIA CLASSIC HINGE SIDE	
RC1 AS STANDARD RC2	
4	
TRIPLE GLAZING (THREE PANES)	QUADRUPLE GLAZING (FOUR PANES)
36-64 mm	48-64 mm
0.5 W/m²K	0.3 W/m²K
0.83 W/m²K	0.70 W/m²K
up to 45dB	up to 45dB

LARGE-SIZED DOORS

Ordinary windows keep heat in home and let the light inside. INNOVIEW windows offer an additional advantage as they allow for the design of the building where aesthetics and performance are combined to create a unique character within the room.

LIFT AND SLIDE DOORS INNOVIEW HST

Large-sized doors are setting new trends in the construction industry which change the perception of living spaces. Opportunities they offer are invaluable, while the perception of staying in the building is changing significantly. Applying large, completely usable, easily opened, safe and aesthetically pleasing glazing brings to our lives an added value. Proximity to the environment, nature as well as the fusion of the building interior with its surroundings. Large glazed areas offer spectacular views and the ability to see vivid pictures behind the window.



LARGE-SIZED DOORS ALLOW US TO MAKE THE MOST OF QUALITY AND COMFORT OF EVERYDAY LIFE.

COMFORT OF OPERATION

Despite its large dimensions, lift and slide doors are extremely comfortable to use, while their huge glazed areas provide the room with even greater amount of natural light.

When in the open position as well as during the opening they do not occupy additional space in the room. They enhance visual space of the room.



LARGE SIZES

INNOVIEW doors are combination of wood and aluminium. This is a design that provides superb durability and rigidity. Using these materials allow the production of doors featuring very large sizes. The structure is resistant to extreme external factors, retaining its dimensions, parameters and characteristics both when exposed to scorching sun or severe frost.

- Scheme A: 6 000 x 2 800 mm
- Scheme C: 12 000 x 2 800 mm



Electrically opened INNOVIEW HST doors

Electrically operated mechanism opens, closes and locks the sash, moving glass panes to the desired position. Controlling is very convenient by means of the remote control or the switch situated on the sash. Ideal solution for people who appreciate ultimate comfort. This solution allows to operate single- and double-sash lift and slide doors with a weight of up to 400 kg. Low threshold ensures a barrier-free movement, while programmed micro-ventilation function provides good climate in the room.



STRUCTURES FEATURING HUGE SIZES
CAN BE MANUFACTURED.

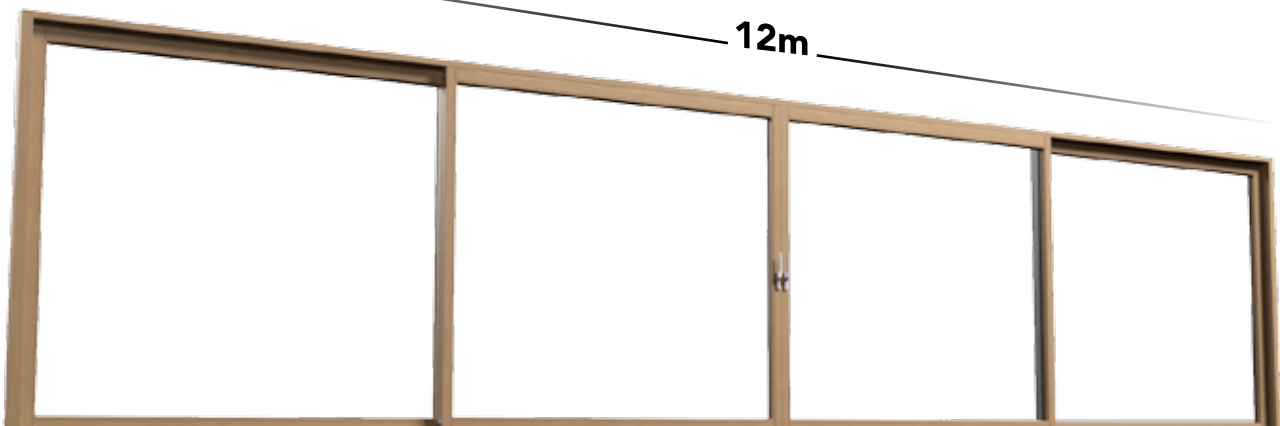


LARGE-SIZED SASHES CAN BE
ELECTRICALLY OPERATED.



2,80m

12m



UNIQUE SOLUTIONS

HOOK BOLT GEAR

New hook bolt gear ensures safety, tightness and reliable operation of lift and slide doors while at the same time retaining a visually attractive form. In the open position, hooks completely conceal in the sash which results in the elegant appearance and the lack of protruding elements enhances safety. Hooks feature a locking function that prevents the sash opening from the outside, which provides anti-burglary class RC2 as per EN1627 already in the standard version of hardware.



SOFT CLOSE SYSTEM

is a unique mechanical solution that slows down the movement of the sash in the final stage of closing, and then gently presses it against the frame of slide doors. It minimizes the risk of pinching when closing the door. SOFT CLOSE system is a visually appealing solution suiting the most demanding tastes. A guide rail completely hidden in the profile ensures exceptional operation by combining smooth sliding movement with attractive design.



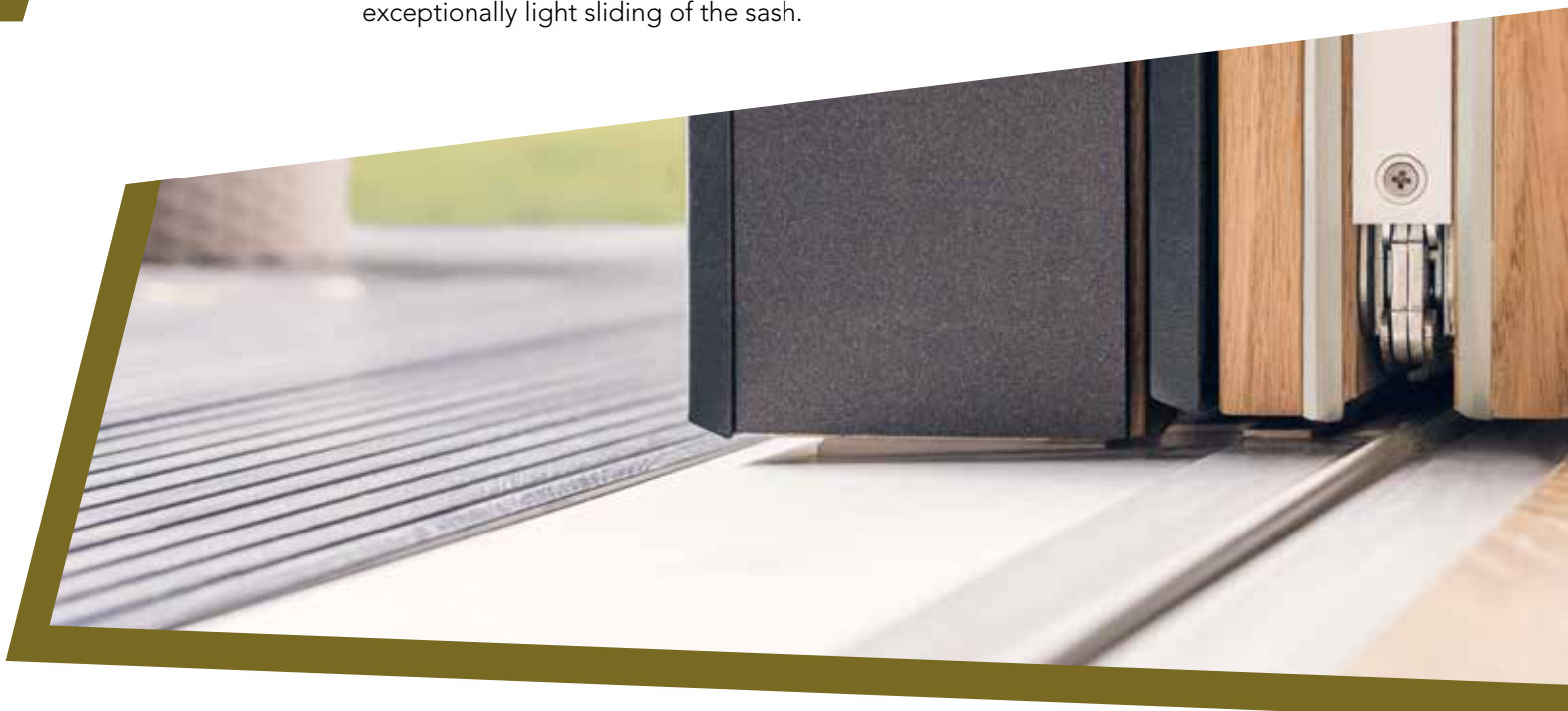
SCAN CODE
AND SEE ANIMATION

LOW THRESHOLD ECO PASS

The low threshold considerably facilitates movement between the room and terrace. The threshold is only 5mm high, allowing the resident to move freely in both directions and ensuring completely free use of both the building interior and terrace. The 10-chamber profile of low ECO PASS threshold meets the requirements of applicable regulation on energy saving, which brings benefits in terms of energy-efficiency.

SLIDING MECHANISM HS 400 COMPACT

Despite its large dimensions, lift and slide doors are extremely comfortable to use. Innovative design of the sliding mechanism offers high comfort of operation thanks to optimal distribution of the load on eight sliding rollers, and thus ensures exceptionally light sliding of the sash.



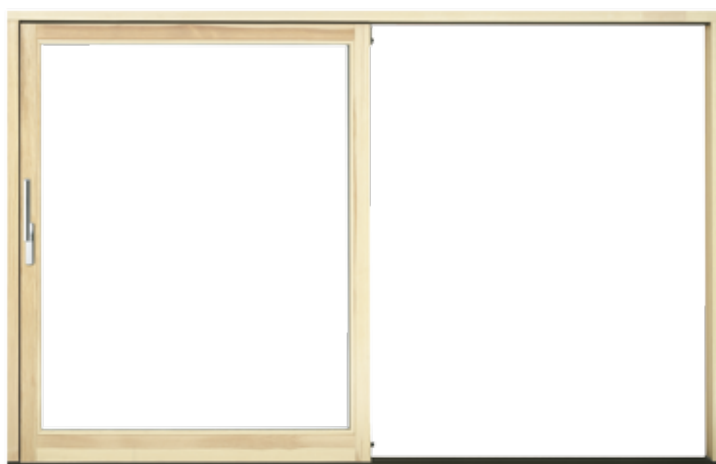


LIFT AND SLIDE DOORS INNOVIEW HST-SKY

The development of the concept of the HST door brings a remarkable product to the market. Thanks to the use of specially developed technical solutions the fixed sashes have no frame. This solution increases the field of view and the boundary between the interior and the surrounding environment disappears. These doors have all the latest solutions integrated in one product, providing unprecedented quality and comfort of operation. Despite their large dimensions, the doors are extremely comfortable and easy to use, while the huge glass areas provide the room with even greater amount of natural light.



*FRAME-FREE SASHES CONSTANTLY
INCREASE THE GLAZING SURFACE
AND FIELD OF VIEW*



The glazing unit in the fixed sash is fitted directly on the threshold and profiles of the frame, therefore its surface is fully utilized to illuminate the interior.





TILT AND SLIDE DOORS INNOVIEW PSK

In addition to a sliding function, the PSK tilt and slide doors enable micro-opening which allows for ventilation of the room while maintaining a high level of safety. The shape of the aluminium frame as well as the wooden profile makes tilt and slide doors blend perfectly with other wood-aluminium window systems.

With this design, the door does not occupy any space inside the room no matter whether in the closed or open position and makes the room feel even more spacious.

An extensive range of colours and shapes of the aluminium frame allows a virtually infinite number of combinations to be created.



THE LATEST HARDWARE SYSTEM
SIEGENIA PSK PLUS INTENDED
FOR TILT AND SLIDE DOORS
ENABLES COMFORTABLE
OPERATION OF SASHES
WITH A WEIGHT
OF UP TO 200KG.



SAMPLE WOOD COLOURS

PINE WOOD



PINE



LIGHT OAK



OLD PINE



WALNUT



TEAK



DARK OAK



BILINGA



DOUKA



RICH MACHAGONI



GRAPHITE



NUTTREE



CONCRETE GREY

OAK WOOD



OAK ISOPUR GIO



OILED OAK

SAMPLE ALUMINIUM CLADDING COLOURS



1-01



1-02



1-05



1-07



1-11



2-18



2-21



3-08



RAL 1013 MAT



RAL 3002 MAT



RAL 5013 MAT



RAL 5015 MAT



RAL 7042 MAT



RAL 8003 MAT



RAL 8011 MAT



RAL 9005 MAT

AWNINGS BLINDS FOR VERTICAL WINDOWS

INNOVIEW products are characterized by the highest quality, safety, comfort and aesthetics as well as guaranteeing harmony with other products available in this range.

INNOVIEW
LINE

PROTECTION AGAINST OVERHEATING

INNOVIEW products are characterized by the highest quality, safety, comfort and aesthetics as well as guaranteeing harmony with other products available in this range.

ENERGY-EFFICIENCY

Awning blinds limit energy consumption in air conditioning systems, therefore residents do not have to pay high bills for electricity. Moreover, when unrolled on cold nights, protect against heat loss by improving U_w heat transfer coefficient up to 16%. Using these awning blinds results in lower heating bills.

IMPROVED ERGONOMICS

With the awning blind pulled down, the light distribution in the room is even and definitely more friendly to the human eye. There are no harmful light reflections on computer or TV screens, therefore awning blinds are very useful in rooms used for work or leisure.



AWNING BLINDS OFFER UP TO 8 TIMES MORE EFFECTIVE PROTECTION AGAINST EXCESSIVE HEAT GAIN IN COMPARISON WITH USUALLY USED INTERNAL BLACKOUT BLINDS.



ROLL-UP AWNING

comes with a special tilting bar which creates a small roof over part of the window. Thanks to dense weave material it protects the room against excessive heat gain. It enables easy access to the sill and provides a view to the outside..

VIEW TO THE OUTSIDE

Awning blinds provide effective shading without restricting view to the outside. There is no need to turn on the light as it may be required in case of unrolled internal or external roller shutters. They have a clearance which does not cover the view to the outside, while at the same time protecting the interior against viewers and ensuring a feeling of privacy.





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