

SKYGEN
WINDOWS SYSTEMS



WINDOWS CATALOG

aluminum | upvc | steel



ABOUT SKYGEN

Welcome to SKYGEN.

Here, we elevate your vision and transform your spaces.

Driven by innovation and craftsmanship, SKYGEN gained its trust as the most reliable windows and doors supplier across Canada and United States. Working side by side with designers, general contractors, builders, architects and construction companies, we deliver impeccable service and solutions for everybody.

Our client is always our top priority. Each project has its own unique story and needs a personalized approach. We strive to be that companion who is always there for you. Let us take care of every detail, from manufacturing your customized design to installing it.

At SKYGEN you will find a variety of doors, windows, pergolas, and sliding systems of exceptional quality. We are proud of trustful and long-term relationships with our clients, as we set high standards and implement only modern techniques in the work process.

Our work speaks louder than words. We've already become a top specialist in planning, projecting, and supplying doors and windows for Canadians. Do you want to know why? Reach out to us or come to our showroom, located at 6210 Northwest Dr Mississauga. Our doors and windows are always open for you!

SKYGEN IN NUMBERS

50+

Products in offers

90

Days to deliver
your order

67

Business partners



Skygen Windows System

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ALUMINUM

Masterline 8
Slim Line 38
MB - 79N
MB - 79N Casement
Cortizo casement

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uPVC

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ALUMINUM

Aluminum windows are a practical option for window construction. They are easy to clean, do not require complex care, and are resistant to rust and corrosion. These qualities make aluminum windows a popular choice for homeowners looking for durable and low-maintenance window solutions.



Products & delivery

We offer a wide range of window and door systems made of uPVC, aluminum, steel and wood. We constantly develop our range of products. In our offer clients may find windows, doors, sliding systems, insect screens, garage doors and fences. Our products are properly secured for sea or land transportation. The process from order to the shipment of goods is made in the shortest time on the market.



Quality confirmed

Manufacture of our products is based on the modern ISO quality management system and it is regulated by certificates confirming their quality and safety. Quality of our facilities and selected products are confirmed by Keystone inspections. In addition, some products have tests in accordance with AAMA, NFRC, STC/OITC, and TAS.



Modern technology

Production takes place in 7 modern manufacturing plants. Our products are manufactured with the highest quality materials from prestigious European suppliers.

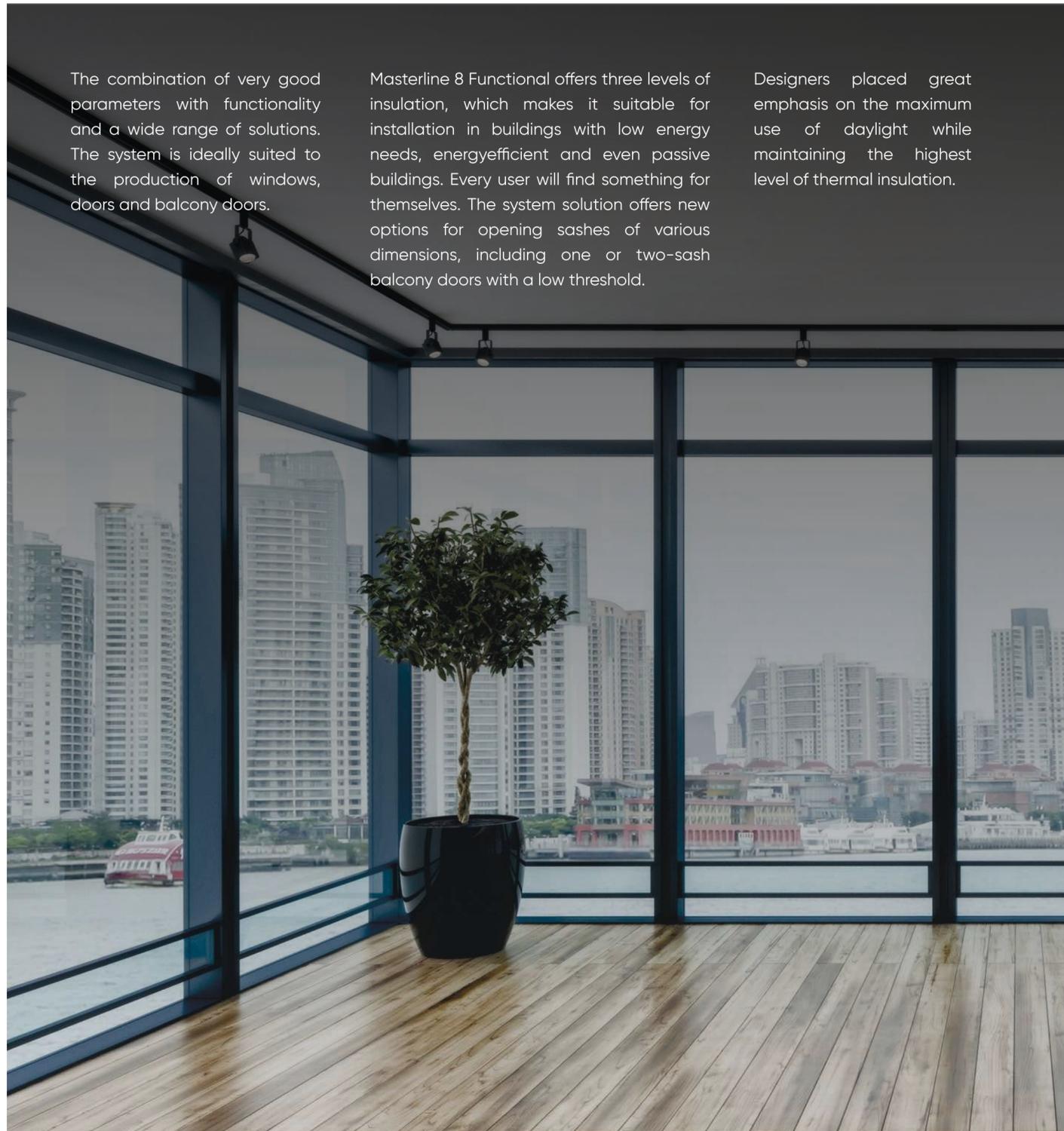
What sets us apart is our unwavering commitment to excellence. We utilize the best materials and premium brands ensuring they meet the highest standards of quality.

Our energy-efficient designs optimize thermal insulation, helping you reduce utility costs. Our windows and doors are reinforced to withstand diverse weather conditions, offering enhanced durability.



Elevate your home's aesthetic appeal with sleek, modern designs that make a lasting impression. With efficient production and delivery, we customize your windows and doors within 2-3 months.

Choose from a wide range of versatile options, including tilt and turn and lift and slide mechanisms, tailored to your unique preferences.



The combination of very good parameters with functionality and a wide range of solutions. The system is ideally suited to the production of windows, doors and balcony doors.

Masterline 8 Functional offers three levels of insulation, which makes it suitable for installation in buildings with low energy needs, energyefficient and even passive buildings. Every user will find something for themselves. The system solution offers new options for opening sashes of various dimensions, including one or two-sash balcony doors with a low threshold.

Designers placed great emphasis on the maximum use of daylight while maintaining the highest level of thermal insulation.

MASTERLINE 8

WINDOW SYSTEM



TECHNICAL DATA		Masterline 8
Frame depth (window)		77 mm
Sash depth (window)		87 mm
Glazing thickness (fixed window / opening windows)		do 62 mm
MIN. VISIBLE WIDTH OF SECTIONS		
Frame (window)		53 mm
Sash (window)		20 mm (invisible)
MAXIMUM DIMENSIONS AND WEIGHT OF THE CONSTRUCTION		
Maximum dimensions of the window TT		H up to 2800 mm L up to 1200 mm
Max weight of the sash (window)		200 kg

MASTERLINE 8



INNOVATIVE LOGISTICS

Our revolutionary logistics and distribution model of windows and doors is the most dependable in Canada & United States. From the manufacturer to your doorstep, we guarantee a seamless and trustworthy process.



SLIM LINE 38

WINDOW SYSTEM

The Reynaers SlimLine 38 system is designed for modern architecture requiring large glazing. It is also ideal for use in the renovation of industrial buildings, where it allows the style of traditional steel windows to be retained.

The system's versatility is ensured by the availability of three different profile aesthetic variants: Classic, Ferro and Cubic. The possibility of virtually free mixing of frames, sashes and girders between variants makes it easy to tailor the ideal configuration.



TECHNICAL DATA		SLIM LINE 38
Frame depth (window)		76-99 mm
Sash depth (window)		86 mm
Glazing thickness (fixed window / opening windows)		up to 55 mm
MAXIMUM DIMENSIONS AND WEIGHT OF THE CONSTRUCTION		
Maximum dimensions of the window TT		H to 1200 mm L to 2800 mm
Max weight of the sash (window)		170 kg



MB-79N

WINDOW AND DOOR SYSTEMS



TECHNICAL DATA		MB-79N ST / MB-79N SI
Frame depth		70 mm
Leaf depth		79 mm
Glazing thickness		1,5 - 63 mm
MIN. VISIBLE PROFILE WIDTH		
Frame		50,5 mm
Leaf		from 33,5 mm
MAX STRUCTURE DIMENSIONS AND WEIGHT		
Max. door leaf dimensions (H×L)		H to 2700 mm L to 1700 mm
Max. sash weight		180 kg

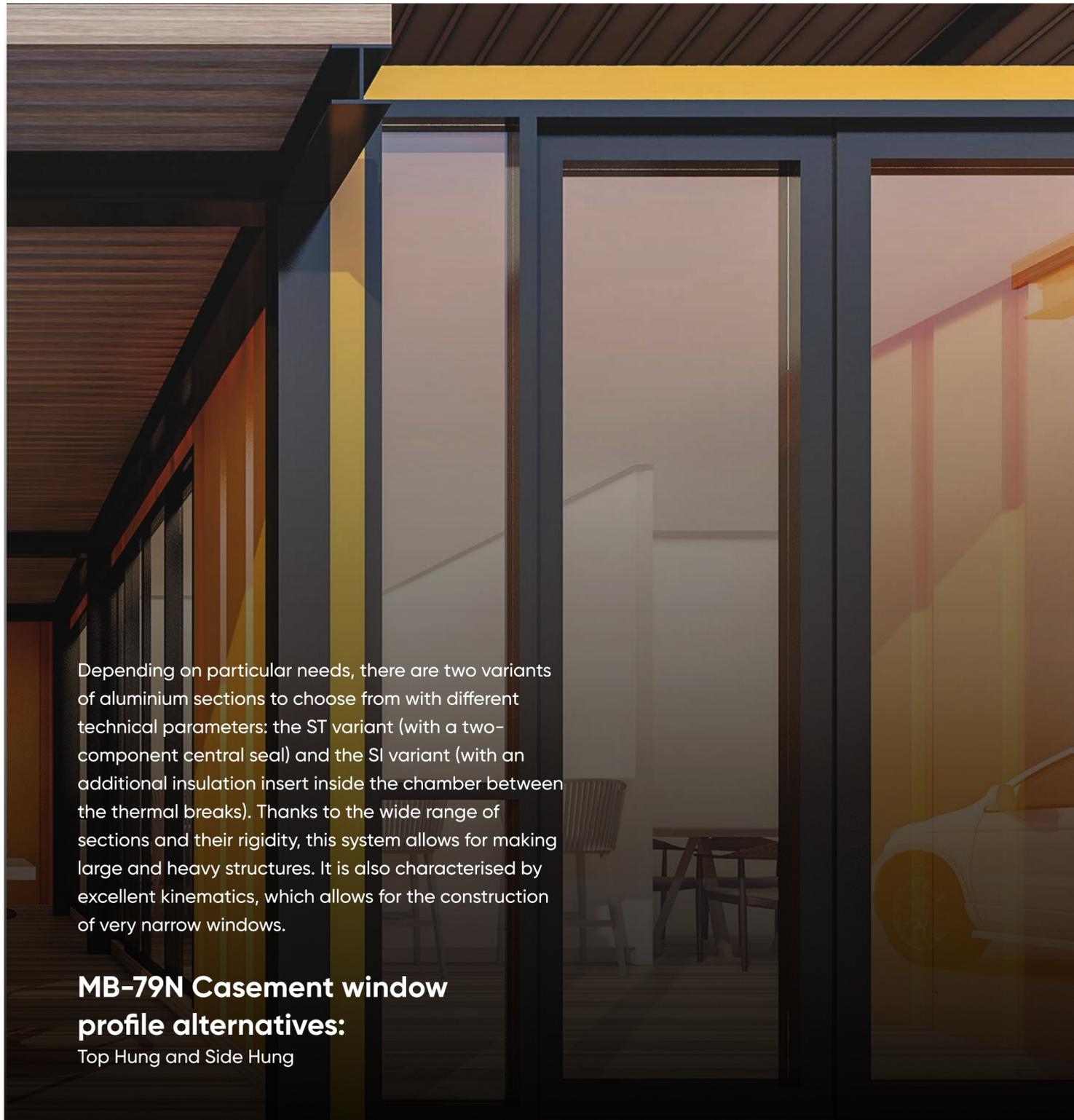
MB 79N is an economical window and door system that meets improved thermal and acoustic insulation norms. It is the successor of the acclaimed and widely used in the construction industry MB-70 system. Due to its high strength and durability, it creates rich constructional possibilities.

It is used to make a wide range of joinery, including fixed windows, casements, tilt and tilt and slide windows, single- and double-leaf external doors and shop window solutions with doors.

The system comes in several variants:

- The economical MB-79N E, with a single-component central gasket in the windows
- The MB-79N ST version with a two-component central gasket
- And the MB-79N SI variant with the best thermal insulation and profiles equipped with insulating inserts and a two-component central gasket





Depending on particular needs, there are two variants of aluminium sections to choose from with different technical parameters: the ST variant (with a two-component central seal) and the SI variant (with an additional insulation insert inside the chamber between the thermal breaks). Thanks to the wide range of sections and their rigidity, this system allows for making large and heavy structures. It is also characterised by excellent kinematics, which allows for the construction of very narrow windows.

MB-79N Casement window profile alternatives:
Top Hung and Side Hung

MB-79N CASEMENT

MB-79N CASEMENT

WINDOW SYSTEM

A modern and economical window system with improved thermal insulation parameters. MB-79N Casement is part of the MB-79N system used for constructions such as: fixed, casement, tilt, tilt and turn and tilt and slide windows, single and double-leaf external doors, as well as shopfront solutions with doors.

Its main features are good thermal and acoustic insulation as well as water and air tightness. The windows are adapted to the stricter thermal insulation requirements of the European Directive 2010/31/EU in force from 2021, allowing their use in passive buildings



TECHNICAL DATA	MB-79N Top Hung / MB-79N Side Hung
Frame depth	70 mm
Sash depth	79 mm
Glazing thickness	frame: 1,5 - 54 mm sash: 10,5 - 63 mm
MAX. DIMENSIONS AND WEIGHTS OF STRUCTURES	
Max. door leaf dimensions (H x L)	H up to 2700 / 2500 mm L up to 1400 / 2400 mm
Max. sash weight (doors / windows)	180 kg



CORTIZO CASEMENT

WINDOW SYSTEM



The Cortizo Casement system is designed entirely for outward-opening windows. It is characterised by delicate, slender profiles that use the highest quality aluminium. Attention is drawn to the perfectly balanced glass-to-frame ratio, which allows more natural light into the interior. Windows made using this system are sturdy and meet strict British safety standards. The thermal break used in the system means that the windows have excellent thermal and acoustic performance in the standard version. You can also choose the HI version for increased insulation.

The system has a wide range of finishing options with RAL colours. The colours are gloss lacquered as standard, but a matt version is also available. The windows are available in a flush profile with espagnolettes and scissor hinges. It is possible to equip the windows with special fittings that make everyday use, cleaning and maintenance easier. This is the so-called easy-clean feature. Different window sizes and glazing units are available depending on the selected sashes. Casement windows are mainly dedicated to the British market, but they will certainly also find their enthusiasts in Poland.

TECHNICAL DATA		Cortizo Casement
Frame depth (window)		70 mm
Leaf depth (window)		70 mm
Glazing thickness		14 - 44 mm
MIN. VISIBLE PROFILE WIDTH		
Frame (window)		15 mm
Leaf (window)		50 mm
MAX STRUCTURE DIMENSIONS AND WEIGHT		
Max. dimensions of tilt-and-turn window (Top Hung)		H to 1800 mm L to 1800 mm
Max. weight of the leaf (window)		100 kg



CORTIZO CASEMENT



uPVC

Elevate your living space with our uPVC windows: style, efficiency, unmatched comfort, and durability, all in one.



Products & delivery

We offer a wide range of window and door systems made of uPVC, aluminum, steel and wood. We constantly develop our range of products. In our offer clients may find windows, doors, sliding systems, insect screens, garage doors and fences. Our products are properly secured for sea or land transportation. The process from order to the shipment of goods is made in the shortest time on the market.



Quality confirmed

Manufacture of our products is based on the modern ISO quality management system and it is regulated by certificates confirming their quality and safety. Quality of our facilities and selected products are confirmed by Keystone inspections. In addition, some products have tests in accordance with AAMA, NFRC, STC/OITC, and TAS.



Modern technology

Production takes place in 7 modern manufacturing plants. Our products are manufactured with the highest quality materials from prestigious European suppliers.

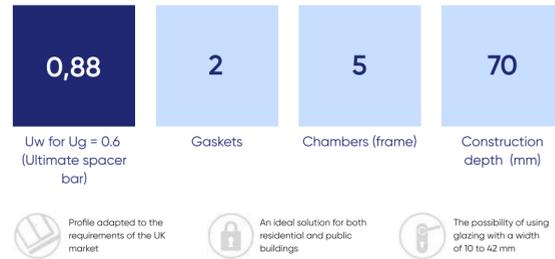




IDEAL 4000 CASEMENT

WINDOW AND DOOR SYSTEM

A system dedicated to the production of outward opening windows, popular in particular in Great Britain, Australia and the USA. Recommended both for installation in residential and public utility buildings. Their classic appearance makes them appreciated by customers.



The system offers great design possibilities. Windows based on the Ideal 4000 Casement system look identical on the outside and inside - both the slats and profiles have a simple shape.

The glazing bead securing system meets the requirements of the Secure by Design and PAS24 programs.

Thanks to a wide number of additional profiles, connectors and extensions, you can create windows of various combinations. Windows made on the basis of the Ideal 4000 Casement system are also characterized by very good thermal properties that allow to obtain U_w values below $0.9W / m^2K$.

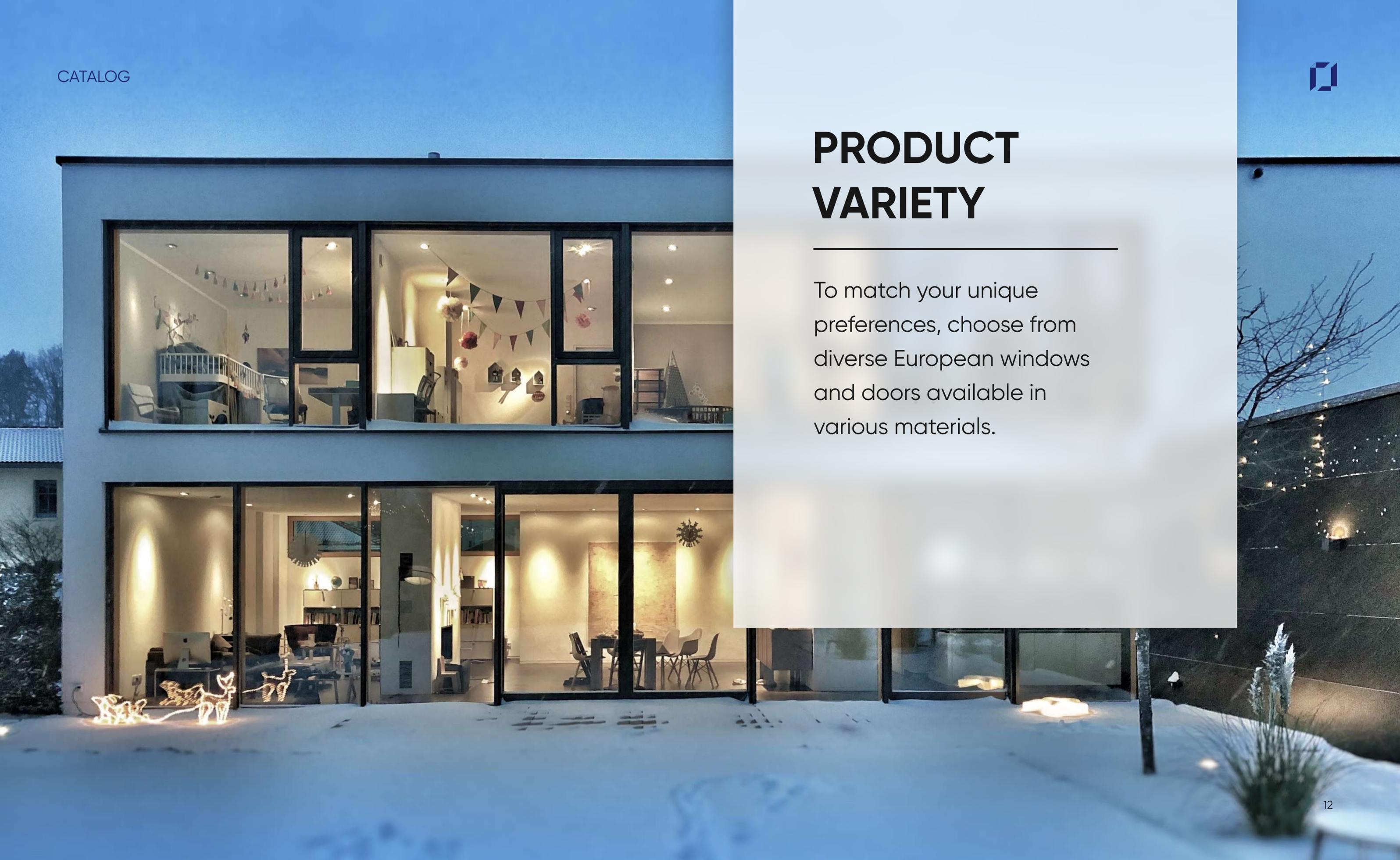


CASEMENT



PRODUCT VARIETY

To match your unique preferences, choose from diverse European windows and doors available in various materials.





IDEAL 4000

WINDOW AND DOOR SYSTEM

It is a universal system that works well both in modern architecture of single-family and multi-family housing, as well as in the case of renovation. As standard, windows made on the basis of the Ideal 4000 system are equipped with two anti-burglary catches on the sash and pivots to prevent burglary with adjustable pressure. An important element of the fitting is the central clamp. The clamp automatically adjusts to the clearance. It ensures not only safety, but also tightness and light functioning of window sashes. As standard, all fittings for tilt-and-turn windows are supplemented with a lock against handle misplacement. An additional functional element is the micro-ventilation scissor, which creates the possibility of slot ventilation.



1,0	2	5
Uw for Ug = 0.7 (Ultimate spacer bar)	gaskets	chambers (frame)
70	R	A
construction depth (mm)	renovation	aluminium cover



Ideal 4000 variants



RENOVATION 65 MM | 40 MM



ALUMINIUM COVER



Glazing with packages up to a width of 42 mm



The standard fitting is equipped with two anti-burglary points per sash



Standard blockade of incorrect handle position (RU window)

IDEAL 4000



SMART SLIDE

SLIDING DOOR SYSTEM

Smart Slide is a sliding door, but the innovative closing mechanism allows for simple and intuitive operation, similar to the solutions used in lift-slide doors.

0,92	2	140
Uw for Ug = 0.6 (Ultimate spacer bar)	amount of tracks scrolling	construction depth (mm)
 System available in the scheme: A, C	 One-sided or two-sided handle to choose from	 Glazing with packages up to 42 mm



It is worth recommending the system to your clients for another reason. Using it, you can easily make larger structures, in which the sash can reach a size of up to 1.5 x 2.3 m.

The installation depth is 140 mm, and the glazing units can have a maximum width of 42 mm. This means that the doors based on the Smart Slide system are not only functional, they can be used to create large structures, but also have high thermal values.

Smart Slide sliding doors can be equipped with air inlets. We also recommend a full range of smooth and wood-like veneers, thanks to which the doors will adapt to any type of interior or facade.



SMART SLIDE

HST 85 variant



ALUMINIUM COVER

Lift and slide door system with high thermal properties. It enables the construction of large-format glazing while maintaining the best thermal insulation parameters. The system is available in three variants: Basic, Standard and Premium. Each of them has a different threshold. When using the Premium version, it can be freely used in low-energy buildings.

To maintain the aesthetics of the finish in the Premium version, we enable the installation of Aluskin aluminium covers. This solution has been reserved exclusively for this sliding door system.

The profiles can have a white, brown, cream or anthracite core. Thanks to this, when using veneers, you can obtain a consistent colour of the profile.



HST 85

LIFT AND SLIDE DOOR SYSTEM

The HST 85 system enables the construction of large-sized, glazed lift and slide doors. The maximum width of the set is as much as 6.7 meters, and the maximum permissible dimensions of the wings are 3x2.5 m.



0,98	2	197	A
Uw for Ug = 0.5 (Ultimate spacer bar)	Amount of tracks scrolling	Construction depth (mm)	Aluminium cover
 System available in the scheme: A, C, D	 Maximum sash weight - 400 kg	 Glazing with packages with a width of 20 to 52 mm	



BLUEVOLUTION 82

BLUEVOLUTION 82

WINDOW AND DOOR SYSTEM

The optimal combination of innovative technology and the best thermal protection parameters, appropriate for energy-saving construction. Windows made in the BluEvolution 82 system are already equipped as standard with a two-chamber package of warm glass with a heat transfer coefficient of $U_g = 0.5W / m^2K$.

A huge advantage is the profiles themselves, which are not only made of high-quality PVC, but above all are an excellent thermal insulator, which is guaranteed by the six-chamber structure of the profile and the triple sealing system. The installation depth of 82 mm allows for glazing with packets up to a width of 53 mm.



Blueevolution 82 variants



ALUMINIUM COVER



RENOVATION 60 MM | 35 MM

- Standard hardware with 6 anti-theft points
- Standard blockade of incorrect handle position (RU windows)
- Glazing with packages up to 53 mm wide

If the window is also supplemented with a warm spacer, we can obtain thermal transmittance parameters corresponding to those of energy-saving windows, additionally reducing the risk of temporary condensation of water vapor.

0,77	3	6	82	R	A
<small>U_w for U_g = 0.5 (Ultimate spacer bar)</small>	<small>Gaskets</small>	<small>Chambers (frame)</small>	<small>Construction depth (mm)</small>	<small>Renovation</small>	<small>Aluminium cover</small>

The profiles are made of the highest quality PVC, thanks to which they are characterized by a unique, shiny, snow-white color.



GLAZING



SINGLE GLASS PANE



Glass form used in partition walls as well as in case of divisions/partitions such as glass doors, balustrades or even balconies. Single glass panes allow the use of different kinds of glass, including safe glass made of laminated glass VSG and tempered glass ESG.

DOUBLE GLAZED IG UNITS



Insulated glass unit is made of two glass panes where only one of them has a Low-E layer. This is a standard for basic window-door systems. In the space between the panes - created by a spacer- there is mostly argon (90%) which additionally lowers the center of glass U-factor.

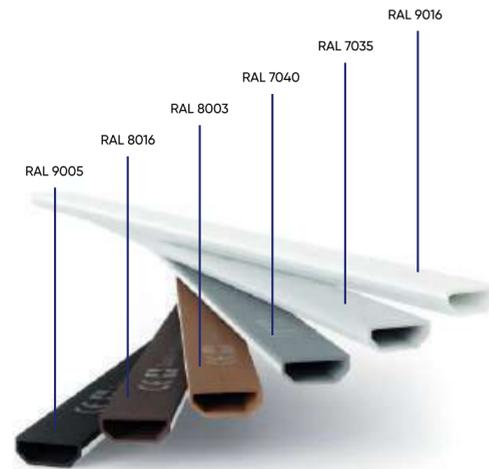
TRIPLE GLAZED IG UNITS



Insulated glass unit is made of three glass panes where two of them mostly have a LowE layer. In the space between the panes there is mostly argon (90%) which all in all is a good choice for systems with increased thermal properties.

SPACERS

Significantly better thermal properties in comparison to the aluminum spacer and color matching in the interpane space to the gasket color or the entire window. These are qualities that the Swisspacer Ultimate spacer provides.



ACOUSTIC GLASS



Laminated glass where between the glass panes there is a special acoustic foil which provides better sound insulation of a room.

SAFE GLASS

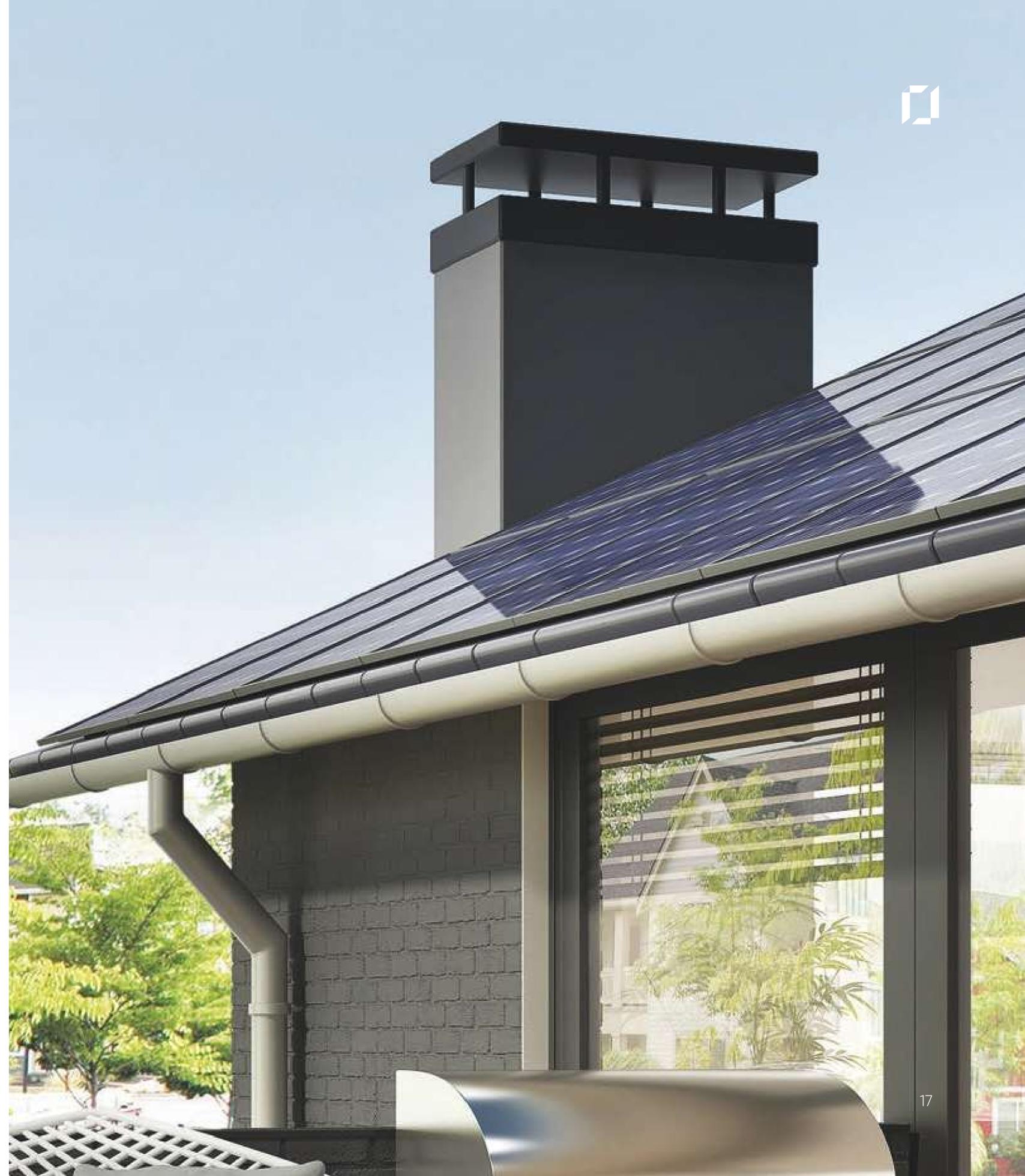


Laminated glass and/or tempered glass provide increased safety. Their resistance to puncture or braking is matched to the client's requirements and the information about which glass has been applied is located in the corner.

FIRE PROTECTION GLASS



Fire protection glass is available in the EI 30 fire protection class (6/8 inch thick) or EI60 (1" thick). Fire protection glass is made of tempered panes of glass, between which there is a colorless hydrogel.





SOLAR CONTROL GLASS

Glass that provides a reduction in light and solar energy transmission to a room. Sun protection glass is offered with selective, absorption or even reflexive glass.

SELECTIVE GLASS

From the external side is covered with a special layer which reduces solar energy transmission that reaches the inside of the building, at the same time keeping relatively high levels of light transmission.

ABSORPTIVE GLASS

Dyed in a mass to brown, gray, green or blue color. The glass absorbs solar light by decreasing light transmission and amount of solar energy inside the building.

REFLECTIVE GLASS

Colorless or dyed in a mass to brown, gray, green or blue color. The glass is coated with metal oxide thanks to which the solar light is reflected from the glass pane which creates a mirror effect (to a different extent). It also limits the light transmission at the same time.



DECORATIVE GLASS

Decorative glass is a perfect choice in case of windows, doors as well as partition walls. Depending on the pattern selected it may not only improve the privacy, but also brighten the interior which will make it optically more spacious and that is its' another advantage.

FROSTED GLASS

Achieving the effect of frosted glass is possible with a use of mat foil PVB (in VSG glass), thanks to the technology of acid-etching of one of the surfaces (Satinovo) and by sandblasting process.

COLORED GLASS

Transparent, half-transparent or non-transparent color propositions with different intensity. Apart from the recognized color technology, all layers guarantee traditional benefits which are characteristic to laminated and tempered glass.

ORNAMENTAL GLASS

Provides a wide range of possibilities in terms of design and allows a full personalization of one's space. Depending on the pattern, the clarity of the glass can be lower or higher which guarantees better control of privacy, brightening the space at the same time.



SWIFT ORDER PRODUCTION

Experience seamless processes with quick delivery. We pride ourselves on short waiting times for all orders – around 3 months! Our dedicated team of door and window installers in Toronto ensures a hassle-free experience.



GRIDS

DECORATIVE GRIDS BETWEEN THE GLASS (GBG)



RECTANGLE SPACER BAR BETWEEN THE GLASS



EXTERIOR APPLIED SIMULATED DIVIDED LITE (SDL)



SIMULATED DIVIDED LITE WITH SPACER BAR (SDLS)



The color selection of muntins depends on their kind and chosen window system.

Limiter

Element that limits the sash opening and it is available for every system that we offer. It may be an opening limiter to 90 degrees or even 4°.



Clips

Assembly anchor is in most cases a necessary mounting element for a window. Each system has its own matching model which may be always delivered along with a window.



Connection profiles

An element that connects two separate windows. It allows to make a connection in a straight line as well as in different angles creating bay and bow windows...



Multi-point locks

Hardware which guarantees the comfort and safety of use by hooks that are placed around the entire frame - standard ones as well as anti burglary ones.



V-super weld

When the welding process is complete a low groove is created in place where the profiles' connection was made. The weld guarantees durability of corners on the highest level, in the same time keeping an appropriate look of the final product.



V-perfect weld

Creates almost invisible welding. Connecting profiles in this technology is perfectly refined which provides a proper durability of corners, in the same time keeping best aesthetic values on the joinery market.



Hardware options

Hardware that provides safety and comfort of use. For windows opening inward there is a choice for opening from Tilt, Turn to Dual Action Window (DAW). In case of DAW windows, they always have a micro ventilation function and additionally they may be equipped with Tilt Before Turn function.



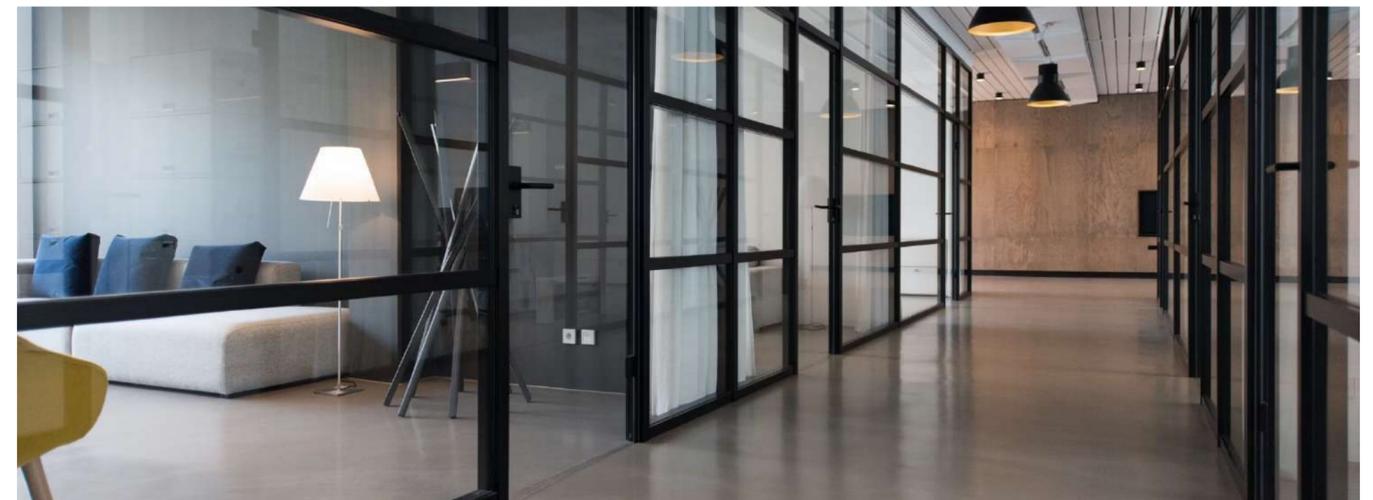
Hinge options

Window hinges can be visible inside the room or hidden completely. Each version that we offer allows us to use sashes where the total weight even exceeds 220 lb.



Nailing flange

The system allows to choose a Nailing flange which in the production process is welded along with the frame's profile creating a strong, uninterrupted connection on the entire window's circumference.





COLOURING



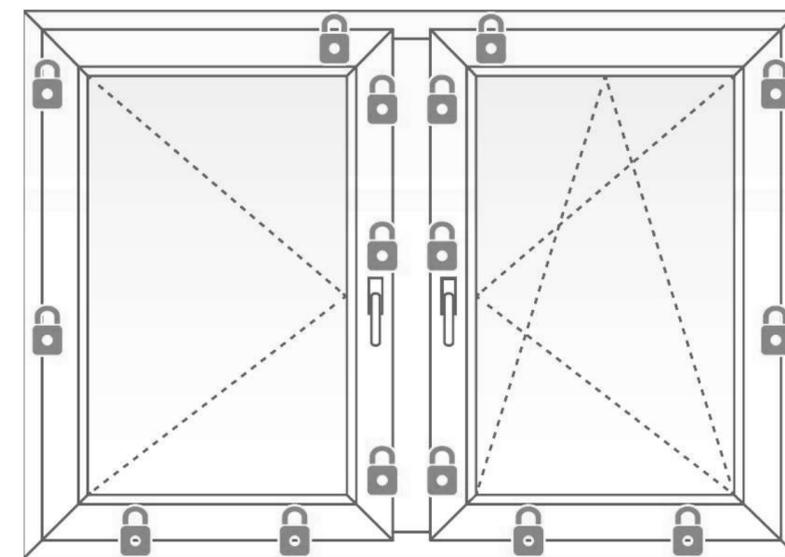
ANTI-THEFT FITTINGS

Clients, who above all value their own and their closest safety, we can assure that by choosing a PVC window in one of the presented systems, the safety comfort will always be on a proper level.

Depending on the chosen system, in standard there are from 2 up to 5 safety points. Special plug and hooks located in specific spots make it very difficult to force the door during a burglary attempt.

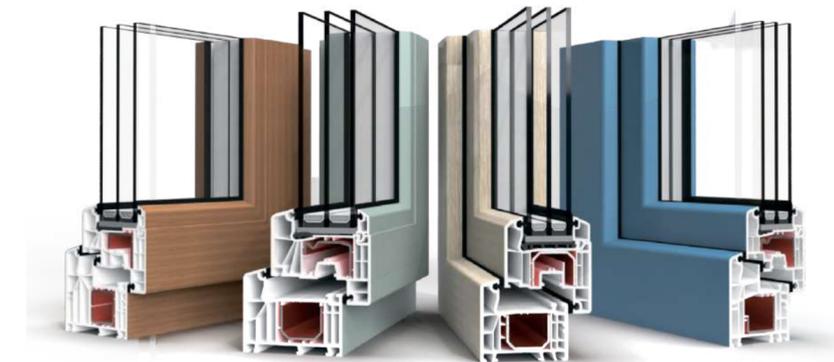
For people who want to keep the safety comfort even on a higher level, we also offer fittings with increased durability which is characterized by an increased amount of safety points.

In order to provide a maximum safety for the entire window, we also recommend choosing handles with blockade function in the closed position and glued, safe glass. Those options partially provide a maximum protection by creating a tight barrier for any burglars.



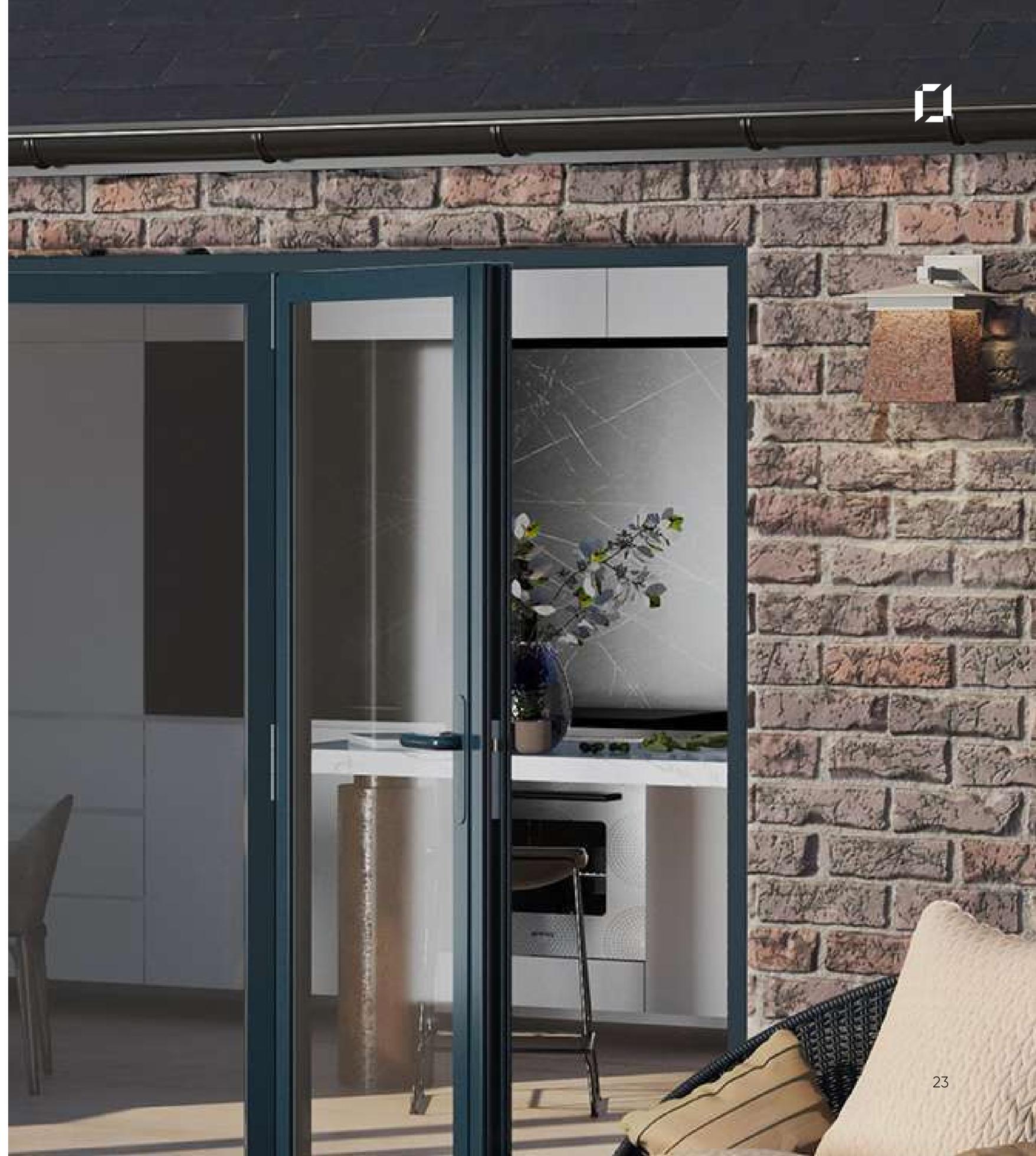


COLOURING





HANDLES		
 ALU	 MOONLINE	 ATLANTA
 KWADRO	 VICTORY	 PLUTON
 NEW YORK	 TOULON	 JOWISZ
 DUBLIN/DUBLIN DE LUXE	 OVERTURE LOCK	 INOX 1200
 TBT 1005A	 LUXEMBOURG	 NEW YORK
 HAMBURG		





STEEL

Steel windows are a popular choice for heritage, commercial and residential buildings. They offer a unique combination of strength, durability and aesthetic appeal that sets them apart from other types of windows



- Galvanized steel profiles
 - Maximum glazing thickness of the window up to 60 mm
 - A thermal break made of stainless steel
 - Gaskets made of two-component synthetic rubber EPDM, which guarantees resistance to ageing during many years of operation and very good thermal insulation
 - High aesthetics of workmanship - welded structure
 - Welded joints are ground and polished
 - Thermal break for additional structure stabilization
 - The system is recommended for use in energy-saving construction
 - The ability to create large-size structures
-
- Possibility of making the HI version
 - For use in both traditional and modern construction
 - Powder coated profiles



UNICO

WINDOW SYSTEM

Window and door system with a thermal break. It can successfully find application in residential construction, including energy-saving construction. The system is characterized by excellent static parameters.



3	3	70	62
Gaskets	Chambers	Installation depth (mm)	Folding height (mm)



Hidden fittings



Single and double sash window



Modern look

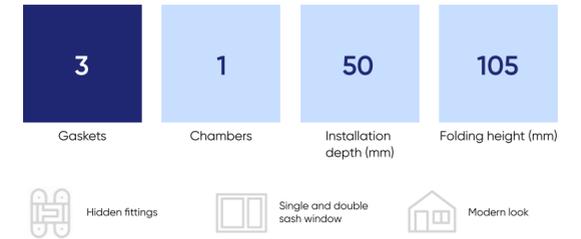


PRESTO

PRESTO

WINDOW SYSTEM

Window and door system without a thermal break. Due to its insulating parameters, it is ideal for making architectural elements that do not require thermal insulation.



- Powder coated profiles
- High aesthetics of workmanship - welded structure
- Welded joints are ground and polished
- Cost-effective system
- Possibility of making large-size structures
- An elegant finish system
- A flush sash with a frame on the outside
- For use in both traditional and modern construction

- Galvanized steel profiles
- Frame and sash made of the highest quality
- Single-chamber steel sections
- Without a thermal break, with a wall thickness of 1.5 mm
- The system allows the use of glass sets with a thickness of 6 to 36 mm



WINDOW HANDLES

 <p>SECOUSTIC NEW YORK with or without a key</p>	 <p>LUXEMBOURG with or without a key</p>	 <p>TOULON</p>	 <p>TBT</p>
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GLASS

The selection of a glazing package is often limited to the selection of the number of panes, which makes them more or less energy-efficient. However, our offer is much wider. We offer energy-saving, sound-absorbing, safe, anti-burglary and anti-sun glass panes. Additionally, we have a wide range of ornamental glass in dozens of designs to choose from.

The inter-pane space of the formed glazing units is usually filled with 90% argon. We also offer krypton-filled glass, thanks to which it is possible to obtain a heat transfer coefficient of up to 0.3 W / m²K.

The possibility of combining different types of glass and a smaller or larger number of panes allows for obtaining the appropriate parameters for each type of windows and doors from our offer.



DECORATIVE GLASS

Insulated glass with decorative glass is an excellent choice for windows, doors and partition walls. Decorative glass will work in homes, offices, shops, hotels and restaurants.

Depending on the selected pattern, they can not only increase privacy, but also brighten the interior, thanks to which it will be optically larger, which is another advantage.



We present a summary of the basic types of insulating glass with a description

1

1-CHAMBER GLAZING PACKAGES



Single-chamber double glazing composed of two glass panes. It is a standard for basic window and door systems.

2

DOUBLE CHAMBER



Double-chamber double glazing, increasing thermal comfort in the room. Separation of the inter-pane space with an additional glass pane significantly reduces heat transfer.

3

SOUND-ABSORBING



Insulating glass units with a special acoustic foil provide an increased level of soundproofing.

4

SECURE



Laminated and/or toughened panes increase safety. Their puncture or shatter resistance is tailored to the customer's requirements.

5

SOLAR CONTROL

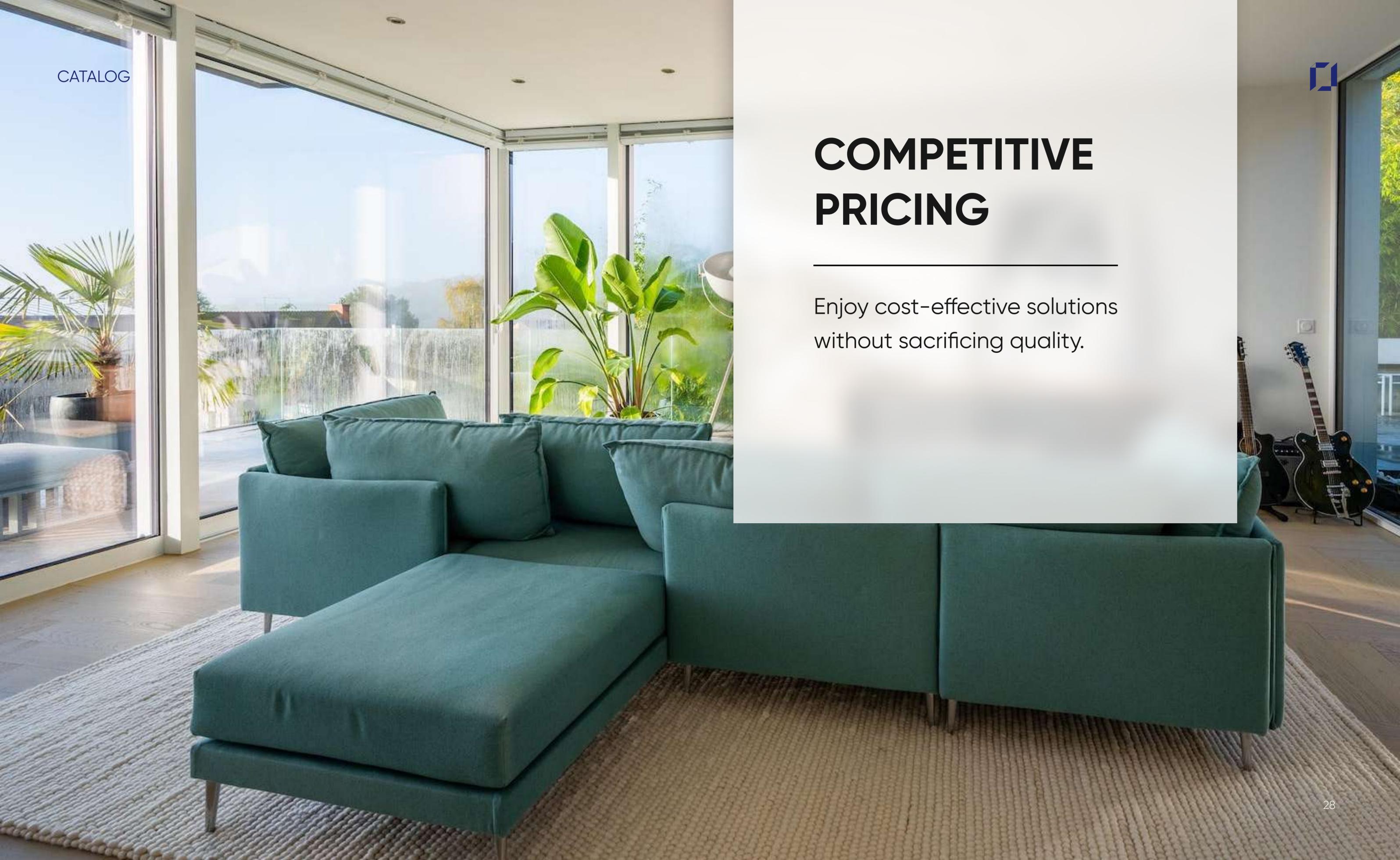


Glass allowing the reduction of the flow of light and solar energy into the room. They are offered with selective, absorbent or reflective glass.



COMPETITIVE PRICING

Enjoy cost-effective solutions without sacrificing quality.





MUNTINS

Aluminium muntins give the windows an elegant and unique character, and in some cases are an indispensable decorative element referring to the old architectural style.

Our offer includes both glazing muntins, glued on the glass, and Viennese muntins (the so-called duplex). Each offered type is available in several widths and many colours.



DOOR HINGES

Efficient with up / down adjustment.

ADDITIONAL ACCESSORIES

- Connectors
- Extensions
- Anti-drill handle
- Anti-panic fittings
- C type insert
- Diverse selection of espagnolettes
- Viewfinder
- A cat flap
- A letter slot



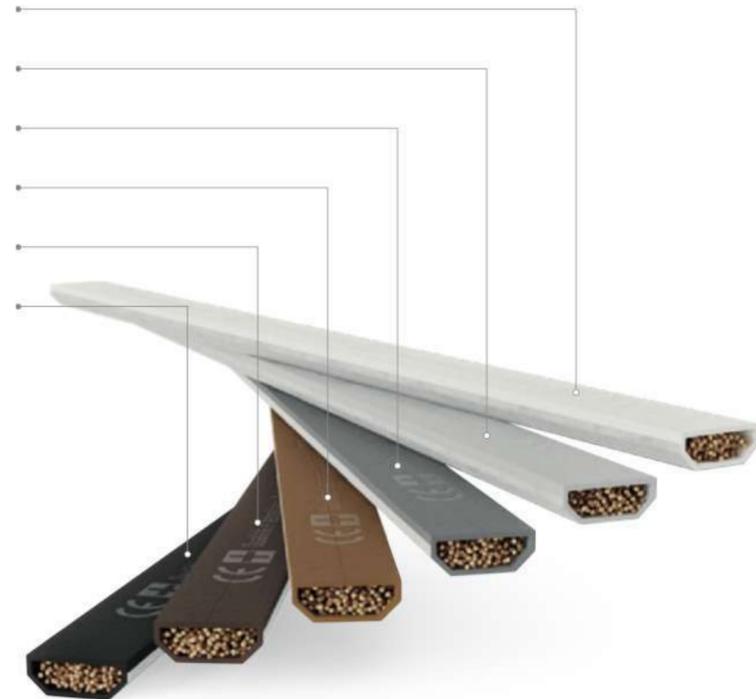


SWISSPACER ULTIMATE SPASER FRAMES

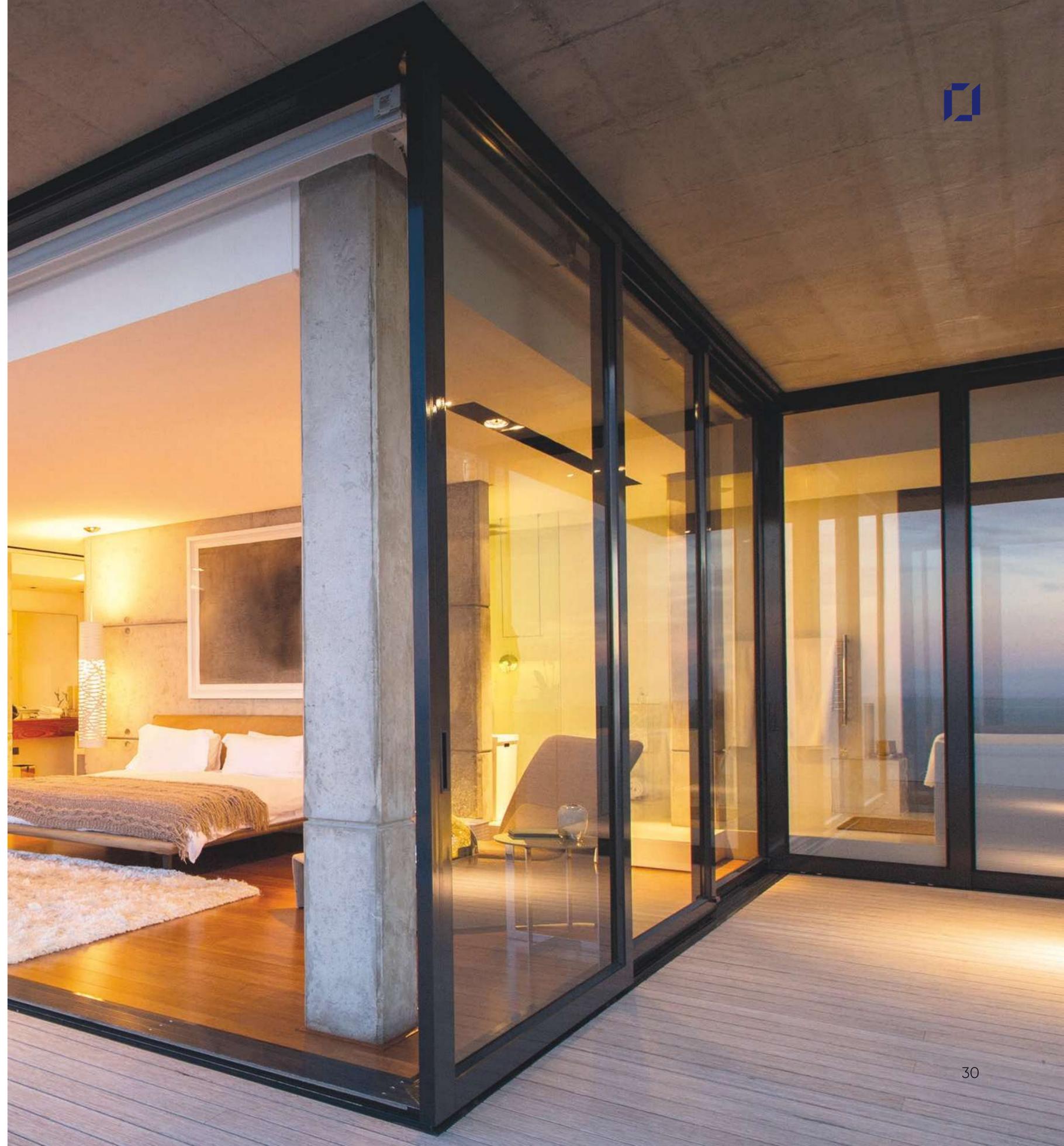
In addition to the standard frame made of aluminium, we also offer one of the best warm spacers available in the world.

With the Swisspacer Ultimate spacer, the ψ factor is only $0.03 \text{ W / m}^2\text{K}$. The lower value of this coefficient not only reduces the possibility of water vapour condensation on the edges of the glass, but also allows for a significant reduction of the thermal transmittance coefficient for the entire window.

The frames are available in several colours from the RAL palette.



- RAI 9016
- RAI 7025
- RAL 7040
- RAL 8003
- RAL 8016
- RAI 9005





COLOURS

Windows are more and more often a decorative element, both for the entire building and the interior. All elements of the steel joinery are powder coated. Steel profiles create unlimited possibilities. In order to obtain the desired colour effect, the windows can be varnished according to the colours from the RAL palette. (semi-gloss, structure).

It is not possible to paint the inside and outside in different colours.





CURTAIN WALLS



MB-SR50N HI

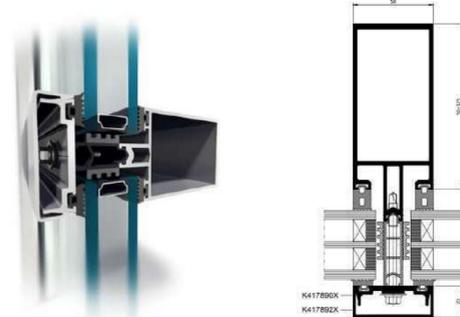
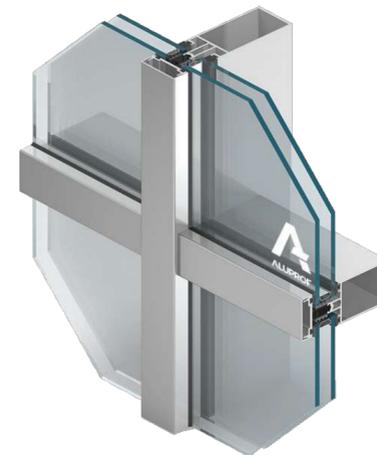
MULLION AND TRANSOM CURTAIN WALL WITH HIGH THERMAL PERFORMANCE

AE 1200 <small>Air tightness</small>	RE 1500 <small>EN 12154</small> <small>Watertightness</small>
I5/E5 <small>EN 14019</small> <small>Impact resistance</small>	>0,85 <small>W/(m²K)</small> <small>Thermal insulation Uf</small>

The structure presented here is a version of MB-SR50N featuring enhanced thermal insulation performance.

The system is designed for the construction and execution of flat, light-weight curtain walls of the suspended or filling type, roofs, skylights and other structures. The shapes of profiles enable selection of mullion and transom profiles which flush with each other on the inside surface of the façade.

The MB-SR50N HI system features basic characteristics and possibilities inherent in the base construction MB-SR50N. The thermal insulation zone deserves a particular mention, though. Here, special two-component insulators have been applied. They are based on a HPVC insulator (or a set of insulators of appropriate width), which makes it possible to drive screws with high accuracy during the installation process at the building site. On both lateral surfaces of the insulator additional elements made of flexible material are attached (glued on), which enhance thermal insulation performance and limit the air flow in the space separating the infills of the façade. The insulator built in this way enables maintaining convenience and accuracy of mounting of a traditional façade, ensuring at the same time that very good thermal insulation parameters are attained – the heat transfer coefficient, depending on the applied profiles and accessories spans between 0,94 to ,94 W/m2K. Likewise in the base version of the façade, the structure allows for installation of different types of infills, including glazing of large dimensions and two-chamber insulating glazing units. With regard to active elements, the MB-70HI doors and windows featuring enhanced thermal insulation performance are particularly recommended for façades of the HI series.



Visualisation

Arrangement drawing

TECHNICAL SPECIFICATION:

THE MB-SR50N HI SYSTEM WAS SUBJECTED TO THOROUGH TESTING PERFORMED BY THE BUILDING RESEARCH AND TESTING INSTITUTE IFT ROSENHEIM AND ATTAINED VERY HIGH TECHNICAL PARAMETERS.

CLASS AE 1200, EN 12152 Air infiltration	CLASS RE1500, EN 12154 Rainwater tightness
2.4 KN/M², EN 13116:2002 Resistance to wind load	CLASS I5/E5, PN-EN 14019 Impact resistance

As regards the declaration of conformity for vertical façades based on the MB-SR50N HI system, a harmonized European Standard PN-EN 13830 "Curtain Walling. Product Standard" has been applied as a reference document.

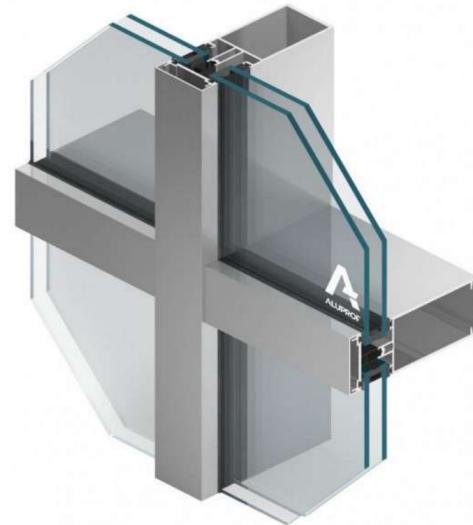


MB-SR60N / MB-SR60N HI

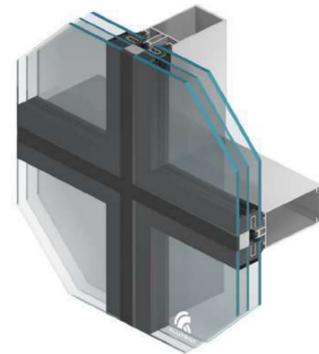
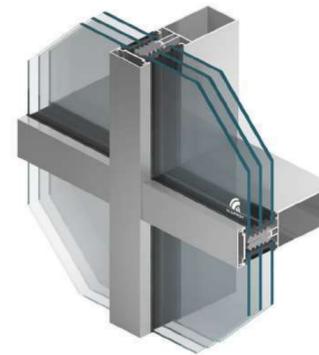
MULLION-TRANSOM CURTAIN WALL

<p>UP TO AE 1350 EN 12152</p> <p>Air tightness</p>	<p>UP TO RE 1500 EN 12154</p> <p>Watertightness</p>
<p>2.4 KN/M EN 13116</p> <p>Impact resistance</p>	<p>15/E5 EN 14019</p> <p>Thermal insulation Uf</p>

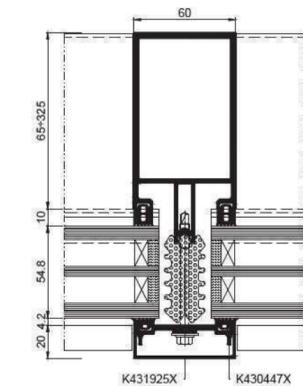
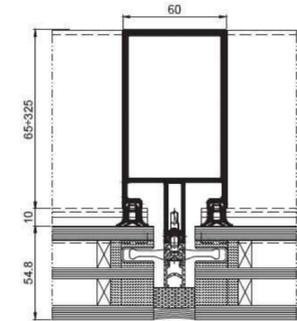
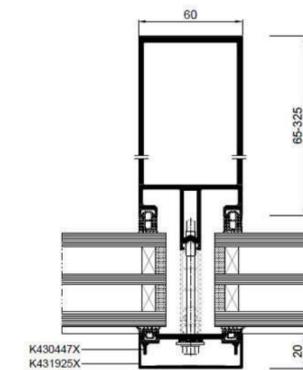
Facade system designed for construction of lightweight cladding systems – flat curtain walls, infill walls and other spatial structures.



Visualisation



Arrangement drawing



Facade system designed for construction of lightweight cladding systems – flat curtain walls, infill walls and other spatial structures. The 60 mm wide mullions and transoms enable construction of aesthetic facades with exposed narrow division lines while ensuring durability and strength of the structure. The system enables flush installation of the mullions and transoms on the outside surface and offers a choice of external appearances. The advantages of MB-SR60N system include very good technical parameters, freedom of spatial arrangement and a wide variety of openable elements mounted in the facade. Particularly noteworthy is the MB-SR60N HI+ version of the system, which includes special thermal breaks and features improved thermal insulation performance. There is also a version without face caps visible from the outside – MB-SR60N EFEKT. Owing to an extensive range of profiles and accessories to choose from, the architects and designers can implement even the most daring aluminium-glass facade designs. For horizontally and vertically faceted walls special overlay profiles are used, accompanied with specially shaped pressure bars and face caps, which eliminate the restrictions in spatial arrangement of the building and the need to use special angular mullions. Modern accessories and connectors enable increasing the allowable load and thus the facade infill module can weigh up to 1,100 kg.



FUNCTIONALITY AND AESTHETICS:

ANGULAR CONNECTIONS GIVE FREEDOM OF ARRANGEMENT OF ALUMINIUM CLADDING	SHARP EDGED MULLIONS AND TRANSOMS GIVE THE FACADE SUPPORT FRAME THE LOOK OF A UNIFORM LATTICE
THE DIFFERENT FACADE STYLES AND A VARIETY OF OVERLAY PROFILES OF DIFFERENT SHAPES ENABLE OBTAINING A NUMBER OF DIFFERENT FACADE APPEARANCE VARIANTS	GOOD THERMAL INSULATION OWING TO A WIDE GLAZING RANGE AND THE AVAILABLE THERMAL BREAKS AND ACCESSORIES
PROFILES CAN BE BENT TO SUIT CURVED STRUCTURES	Technical Data: Depth of sections: mullions: 65 – 325 mm, transoms: 49.5 – 249.5 mm, Glazing range: 4 – 72 mm

TECHNICAL DATA

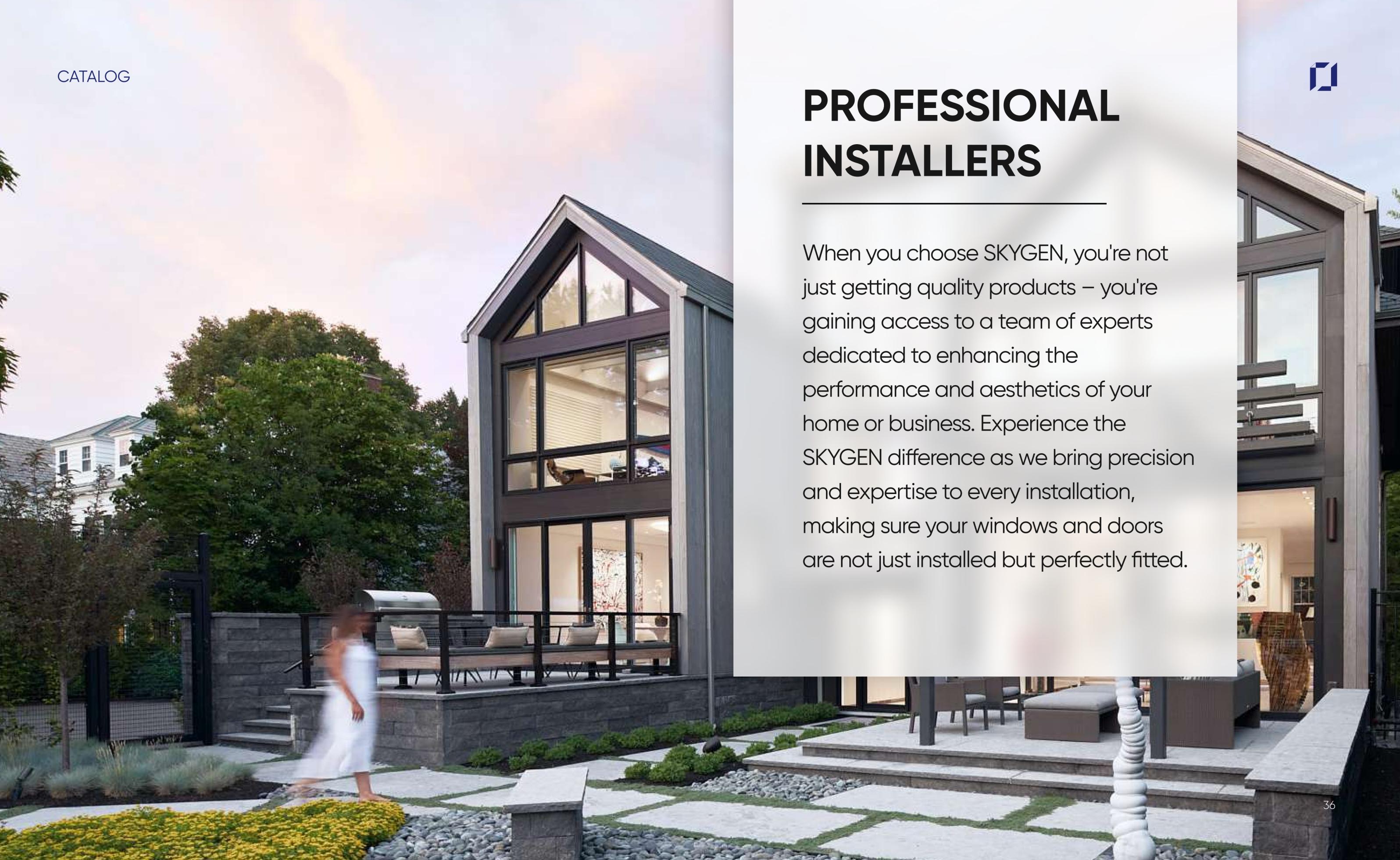
THE MB-SR50N HI SYSTEM WAS SUBJECTED TO THOROUGH TESTING PERFORMED BY THE BUILDING RESEARCH AND TESTING INSTITUTE IFT ROSENHEIM AND ATTAINED VERY HIGH TECHNICAL PARAMETERS.

UP TO AE 1350, EN 12152	UP TO RE 1500, EN 12154
Air permeability:	Watertightness
2.4 KN/M2, EN 13116	I5/E5, EN 14019
Resistance to wind load:	Impact resistance:
RW UP TO 45 DB (DEPENDING ON THE INFILL USED).	
Sound insulation:	



PROFESSIONAL INSTALLERS

When you choose SKYGEN, you're not just getting quality products – you're gaining access to a team of experts dedicated to enhancing the performance and aesthetics of your home or business. Experience the SKYGEN difference as we bring precision and expertise to every installation, making sure your windows and doors are not just installed but perfectly fitted.



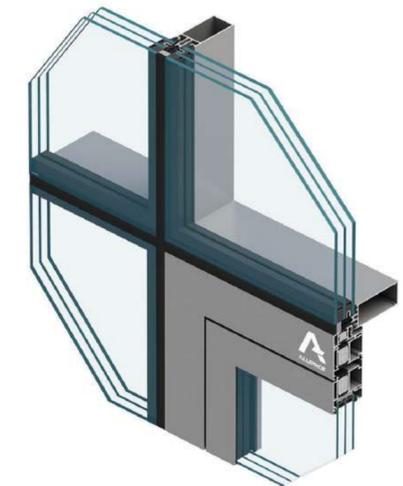
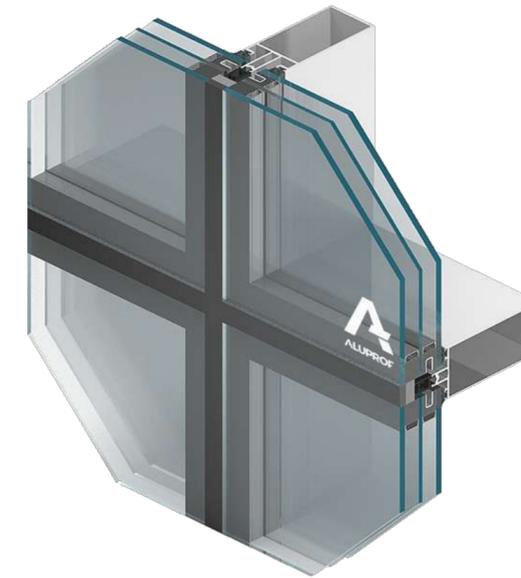


MB-SR50N EFEKT

SEMISTRUCTURAL MULLION/TRANSOM CURTAIN WALL

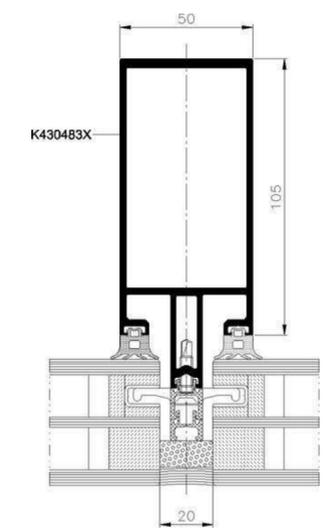
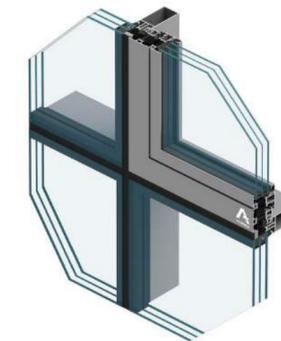
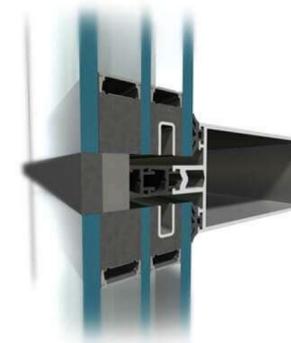
<p>AE 1200 PA</p> <p>Air tightness</p>	<p>RE 1200 PA EN 12154</p> <p>Watertightness</p>
<p>I5/E5 EN 14019</p> <p>Impact resistance</p>	<p>UP TO 2400 PA</p> <p>Wind tightness</p>

The MB-SR50N EFEKT system is used for the construction of lightweight curtain walls of a hanging and filling type as well as roofs, skylights and other spatial constructions.



Visualisation

Arrangement drawing





Its supporting structure is based on a modern and tried-and-tested mullion and transom aluminium system MB-SR50N, which provides a wide range of profiles to choose from and the possibility of selecting sections so that the surface of mullions and transoms is flush with the internal side of façade, and thus its aesthetic joint with development elements inside the building is ensured. It also ensures compatibility with other constructions based on the wide range of products offered by Aluprof SA.

MB-SR50N EFEKT is a façade that provides a uniform external appearance of a smooth glass wall divided by the structure of vertical and horizontal lines of 2 cm, thanks to the use of a special system for fixing panes to mullions and transoms. The gaps between glass fields of the façade are filled with a special silicon binder to ensure high tightness of the construction and enhance its insulation properties.

One of the basic advantages of the MB-SR50N EFEKT façade is the rich possibilities of glazing: the wide range of infills available in the catalogue includes one- or two-chamber glass, as well as non-transparent panels based on complex glass. The real novelty, and undoubtedly the hit of this type of façades, is the possibility of using glass units with a laminated pane. The precisely developed infill mounting system allows the flexible and economic adjustment to the technical requirements of a specific project – it is diverse depending on glass weight and includes solutions that enable loads to be transferred from panes to profiles in such a manner that a load capacity of up to 450 kg can be obtained. We have two standard pane mounting variants at our disposal: with the use of continuous or point frame, which allows the manufacturing process and price to be optimised. Another big advantage of the system is the fact that it has recommendations from three world leading suppliers of constructional and weather-resistant silicones: Dow Corning, Sica and Tremco-Ilbruck, which not only enhance the prestige of this solution, but also ensure and guarantee the resistance and tightness of the construction, as well as easy access to technologies for glazing companies. In this system, the possibility of using silicon in different colours is also worthy of attention, as it significantly widens the spectrum for the creation of façade aesthetics.

Façades made in the MB-SR50N EFEKT system have excellent utility parameters. Their use allows not only the desired façade aesthetics to be obtained, but also very high thermal insulating power, which is, due to a strong, worldwide trend oriented at the limitation of the energy consumption of buildings, one of the main criteria for assessment of contemporary curtain walls.

TECHNICAL PARAMETERS OF THE SYSTEM:

<p>CLASS AE 1200 PA</p> <p>Air permeability:</p>	<p>CLASS RE 1200 PA</p> <p>Water tightness</p>
<p>UP TO 2400 PA</p> <p>Wind resistance</p>	<p>CLASS I5/E5</p> <p>Impact strength</p>



PERGOLA



ALUMINUM PERGOLAS



The backyard terrace is a place where social and family life is vibrant. The pergolas we produce offer several square feet of additional space for spending free time outside, regardless of the weather conditions. Durable aluminum construction and proven components will allow you to enjoy your home terrace for many years.



LIGHTING & SENSORS

Additional options as LED lighting around the perimeter of the structure or automatic control systems by rain, wind and temperature sensors gives you more calm and enjoyment during using this space.



MOVABLE LAMELLAE

Depending on the weather and your preference the roof can be open to the sun or close if you need more shadow or rain is coming. And all of this can be done just by clicking the button or automatically by sensors.



DRAINAGE SYSTEM

Proper water drainage from the roof is ensured by a special drainage system which runs from the upper part through a tunnel in the legs of the pergola as far as the outlet in their lower parts.

The Pergola is an extension of the living room to the garden part. The structure consists of a stable aluminum frame and an opening roof, thanks to which the amount of light on the terrace can be adjusted. Innovative solutions as rain, wind and temperature sensors give you extra possibilities to access for this space regardless of weather conditions without your moves.

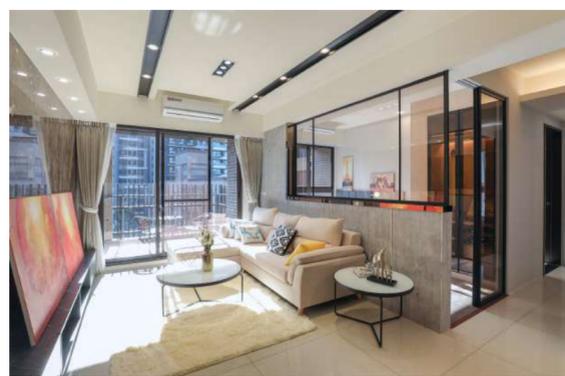
13' 1"

max width

9' 10"

max height







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