



COMPEL INC.

# Wood and Aluminum Clad

WINDOWS & DOORS





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## About Us.

**Compel Inc.** is a Canadian business based in Rockwood, Ontario that exclusively distributes **Sobański** windows and doors across Canada.

At Compel Inc., we believe in transforming the future while honoring traditional craftsmanship. Our journey begins with a deep commitment to quality and innovation in every window and door we create.

Combining modern technology with artisanal skills sets us apart in today's competitive market. Our customer-centric approach ensures that every product exceeds expectations, providing lasting beauty and functionality for generations to come.





Sobański is rooted in the village of Czechel, Poland, where generations of craftsmen honed their expertise in woodworking, passing down time honored techniques from father to son. What began as a small, family-run workshop evolved over the decades, with the Sobański name becoming synonymous with precision craftsmanship and durable, beautifully designed windows and doors. In 1979, the family officially registered the business, solidifying their commitment to excellence. However, it was after the fall of communism that Sobański truly flourished, as Poland's newly open market allowed their unparalleled craftsmanship to reach a broader audience.

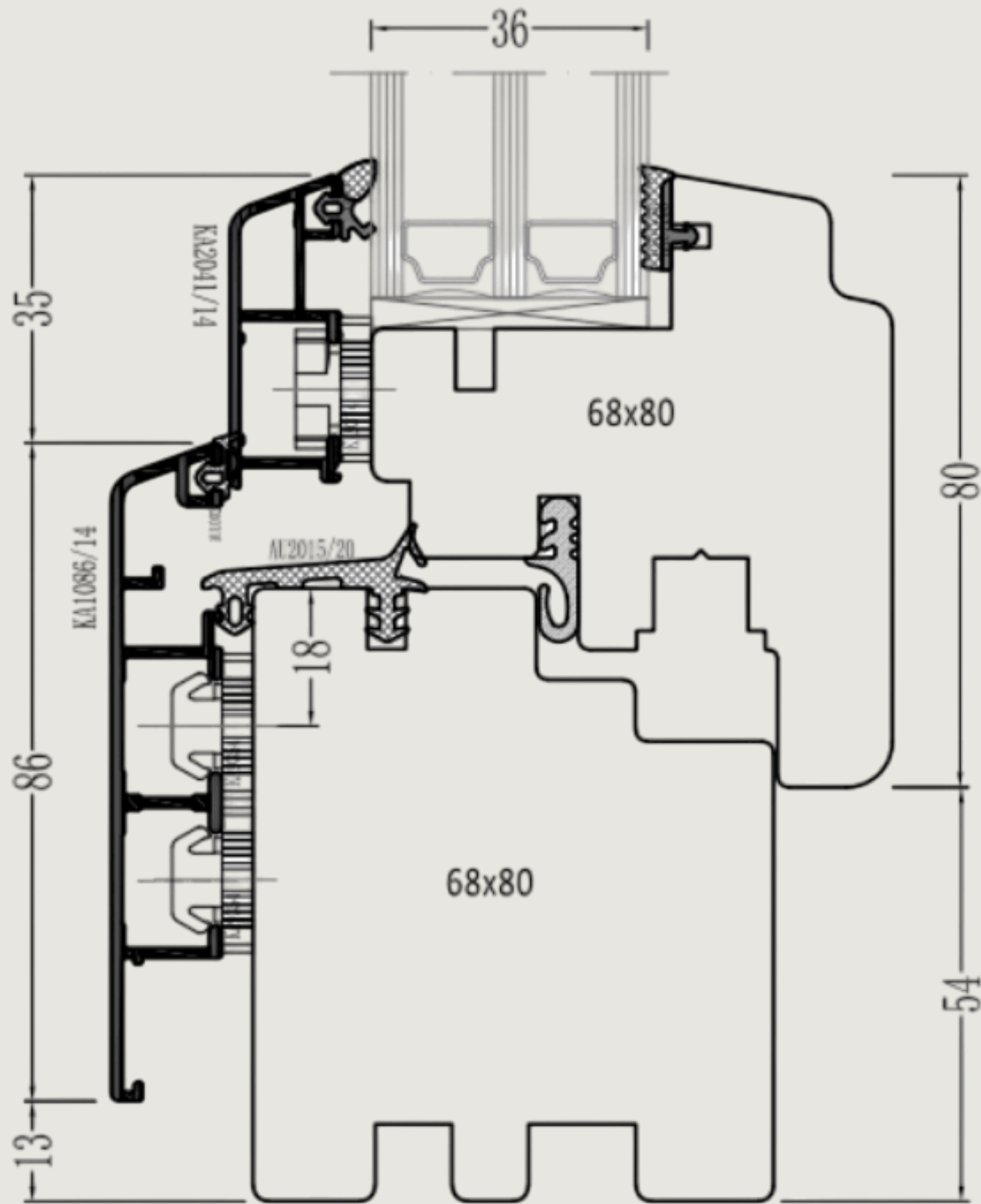




## WINDOWS

Our wooden windows and doors are sustainably crafted using natural materials, offering superior energy efficiency and airtight performance. Certified for their low environmental impact, they help reduce energy consumption while creating a healthier indoor environment for you. We carry both ENERGY STAR® certified and Passive House Institute (PHI) certified windows, giving you the flexibility to choose the right level of performance for your project.





## Specifications

Our wood-aluminum windows and doors combine the warmth of wood with the durability of aluminum. The outer aluminum frame, made by Aluron, is powder-coated or anodized and available in any RAL colour. The triple-layer timber, built in the EUROLINE 68 system, meets all Canadian standards and allows for custom window shapes.

AAMA/WDMA/CSA 101/IS2/A440-22 and CSA A44021-25, ENERGY STAR Certified

FRAME THICKNESS	68.00 mm
IGU THICKNESS	36.00 mm
Overall Performance Rating LC55	
Window (w)	0.99 W/m <sup>2</sup> -K
Glass (g)	0.75 W/m <sup>2</sup> -K
Water Penetration Grade	720 Pa
Air Leakage Rating	0.05 L/s.m <sup>2</sup>
Uniform Load Deflection Rating	2640 Pa
Uniform Load Structural Rating	3960 Pa
Forced-Entry Resistance Rating	Grade 40

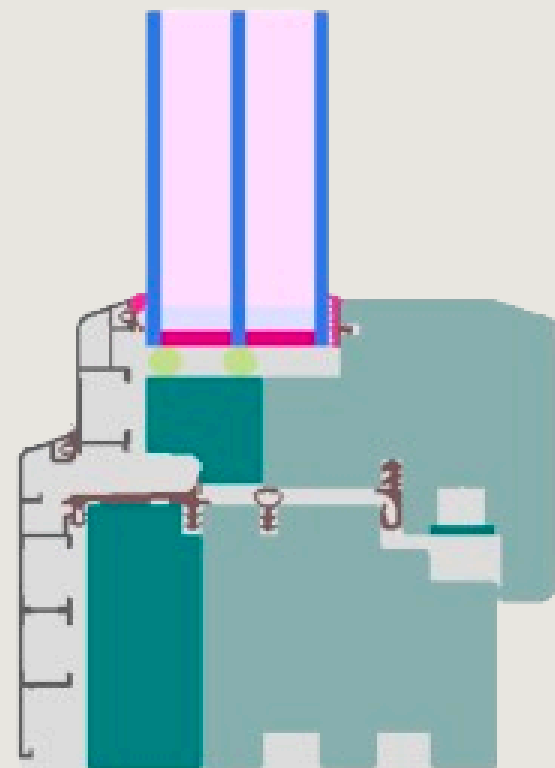


## Specifications

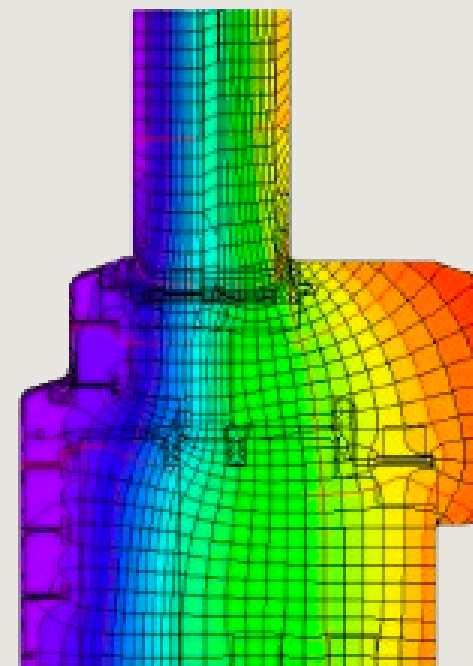
Our Passive Gemini windows are PHI-certified and engineered for exceptional thermal performance. The timber-aluminum frame combines a spruce/fir core with high-resistance PS-foam insulation.

Each unit is built with a 48 mm triple-glazed pane (4/18/4/18/4), a 12 mm rebate depth, and a SWISSPACER Ultimate warm edge spacer sealed with DOWSIL™ 3362 silicone for maximum durability and efficiency. The certification applies across the Gemini Passiv line — Classic, Softline, Retro, Linear, and Quadrat — with only the aluminum cladding profile varying between styles.

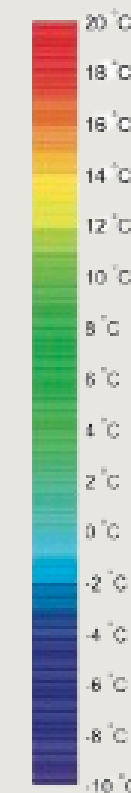
Certified Passive House Component



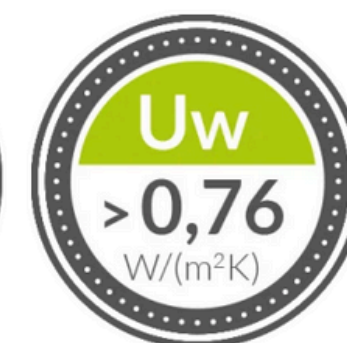
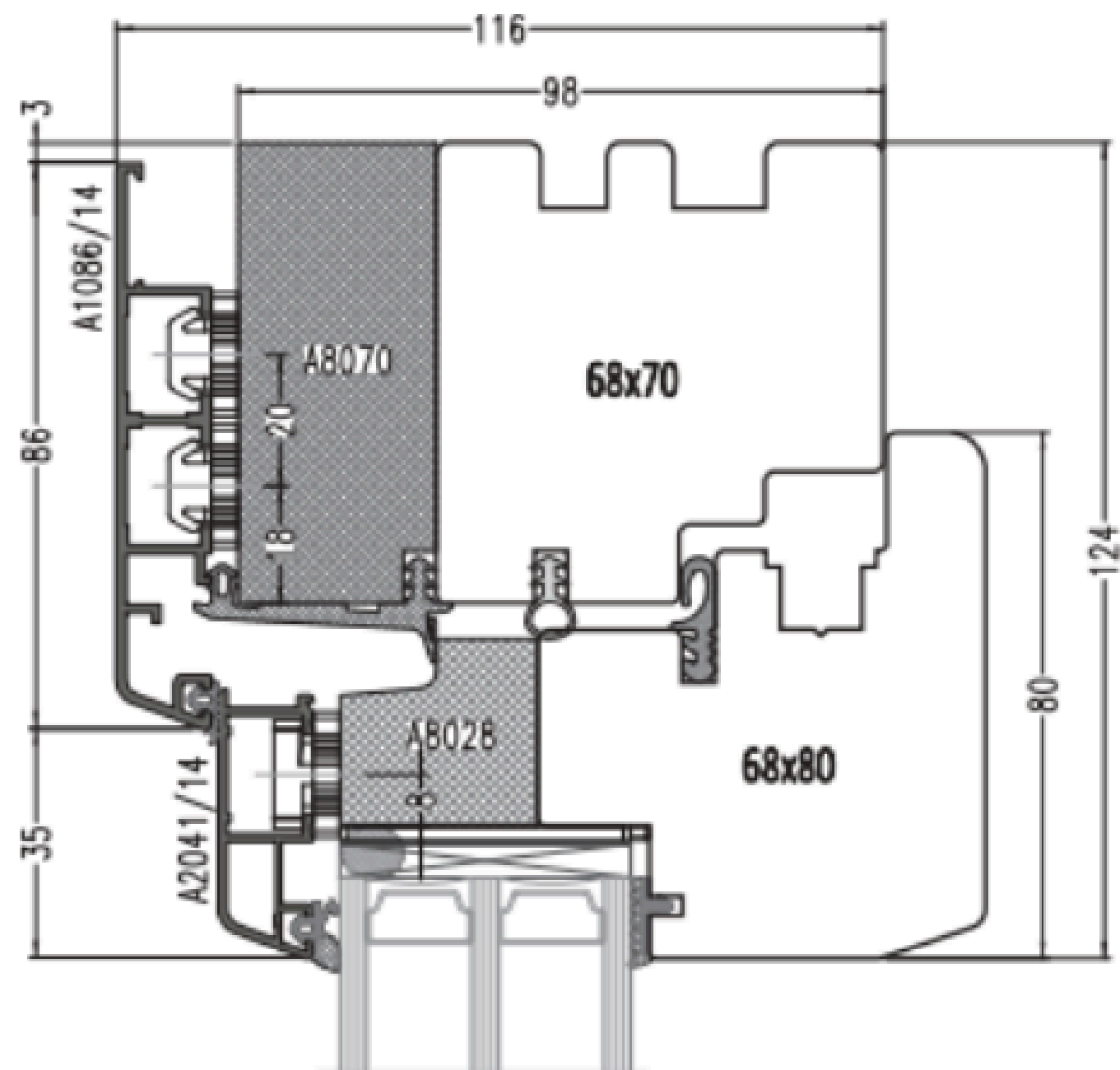
Calculation model



Isothermal







The Gemini Passiv is a wood-aluminum system for window and door constructions designed for passive housing



# GEMINI PASSIV

Heat transfer coefficient  $U_w$  [W/m<sup>2</sup>K] for a reference window with dimensions 2.18 x 1.48 m

$U_w$ [W/(m <sup>2</sup> K)]		Pine ( $\lambda=0,13$ [W/(mK)]; $\lambda=500$ [kg/m <sup>3</sup> ])				Meranti ( $\lambda=0,12$ [W/(mK)]; $\lambda=450$ [kg/m <sup>3</sup> ])				Spruce ( $\lambda=0,11$ [W/(mK)]; $\lambda=450$ [kg/m <sup>3</sup> ])			
		68 [mm]	78 [mm]	88 [mm]	92 [mm]	68 [mm]	78 [mm]	88 [mm]	92 [mm]	68 [mm]	78 [mm]	88 [mm]	92 [mm]
Glazing 4/16/4/16/4	$U_g=0,7$ [W/(m <sup>2</sup> K)]	0,790	0,762	0,756	0,754	0,763	0,755	0,749	0,747	0,756	0,748	0,742	0,740

Water tightness	class E1200/9A
Wind load resistance	class C3/B3
Air permeability	class 4





## CASEMENT WINDOWS

Casement windows are side-hinged and open inward like a door, offering excellent ventilation and unobstructed views. Their simple, elegant design suits both modern and traditional spaces, while secure locking systems provide enhanced safety.

Our windows are made from a choice of ***Pine, Oak, or Meranti Wood***



- ▶ Durability - Made for indoor and outdoor use.
- ▶ Weather-Resistant – Performs well in varying climates.
- ▶ Consistent Quality – Uniform texture and grain ensure a high-end, cohesive look.





## TILT AND TURN CASEMENT WINDOWS

Tilt and turn windows combine sleek design with versatile functionality. With a single handle, the window tilts inward from the top for secure ventilation or swings open from the side for easy cleaning and full airflow. Ideal for modern homes, they offer superior insulation, airtight sealing, and enhanced security — all in one smart, space-saving solution.

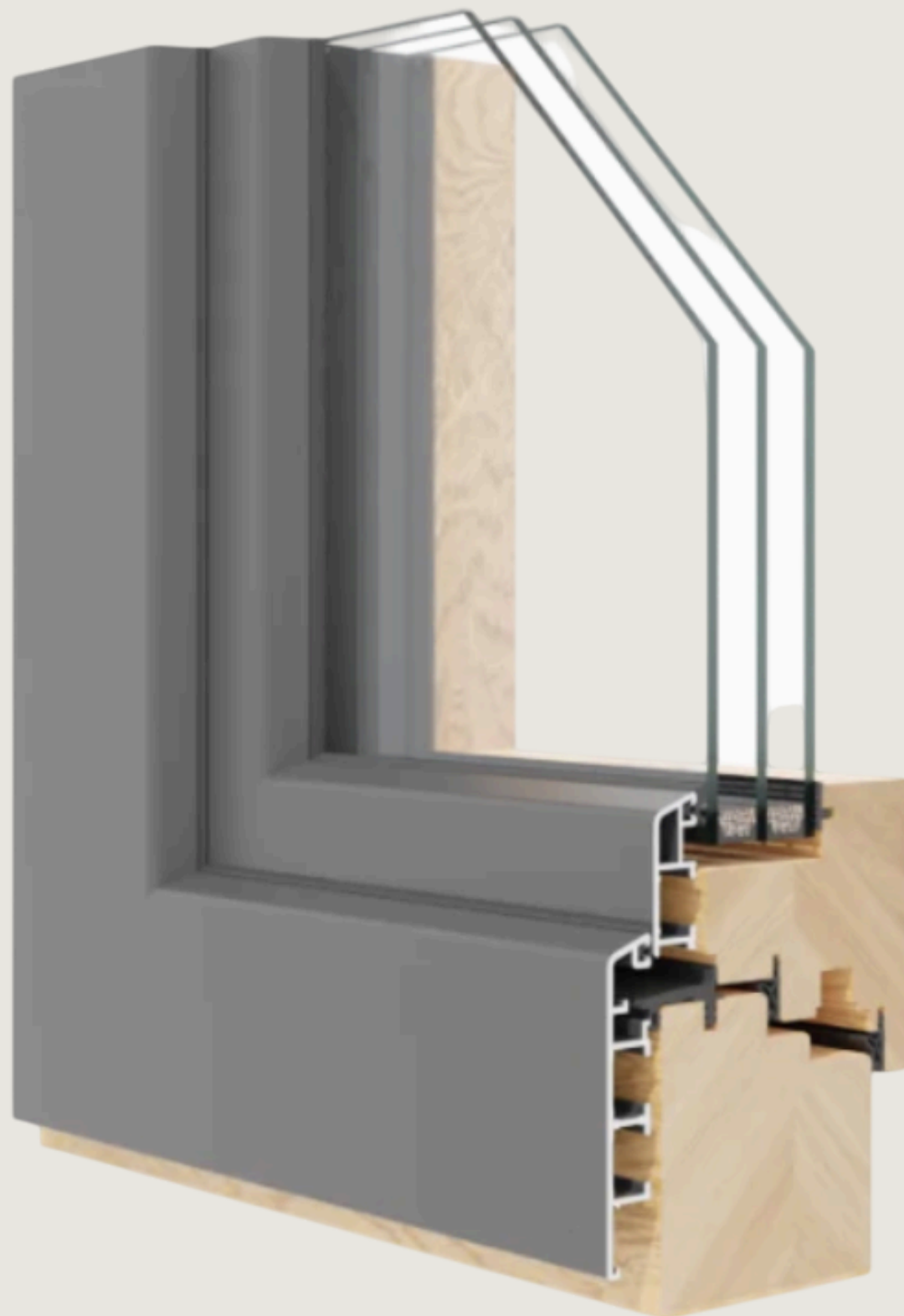


**Tilt Mode:** The window tilts inwards from the top, creating a small gap at the top for fresh air to enter while keeping the frame securely locked.

**Turn Mode:** The window swings open from the side, much like a casement window, providing full ventilation and making cleaning effortless.

- ▶ Secure Ventilation
- ▶ Easy Maintenance
- ▶ Energy Efficiency
- ▶ Weather Resistance





*Our wooden-aluminum windows are built with precision-engineered profiles, designed to meet modern energy and design standards.*

### **TRIPLE GLAZED WINDOWS**

Designed for contemporary living — combining energy efficiency, acoustic comfort, and sleek aesthetics.

- ▶ Triple Glazing - Three panes with thermal insulation
- ▶ Aluminum Frame - Corner joints with an invisible weld to guarantee a smooth, uniform surface
- ▶ Spacer Bar - Improves insulation & reduces condensation
- ▶ 3 different aluminum profiles
- ▶ Compatible with Classic and Soft Life aluminum window sills
- ▶ Optional bending of sash and frame profiles to create structures with unusual shapes
- ▶ Optional aluminum frame mosquito nets (accordion style or fixed frame)











## *EXTERNAL DOORS*

Wooden entrance doors manufactured by our company are a real showcase of every home. The highest quality, attention to detail, the possibility of producing virtually any design are just some of the advantages of our external doors.





## ***DOOR LEAF***

The door leaf is constructed with a frame made of *laminated meranti 450+, oak wood, or pine wood*. Ensuring ***durability*** and ***stability***.



*Laminated Meranti 450+* offers stability, smoothness, and an elegant reddish hue; ideal for precision joinery and indoor applications.



*Oak Wood* is naturally strong and durable, with a bold grain and timeless character that adds richness to any design.



*Pine Wood* is lightweight, easy to work with, and has a clean, pale look. Perfect for versatile use and budget-friendly projects.





## DOOR INFILL

The infill is available as either an insulated cassette or glass.

**Insulated Cassette:** The insulated cassette enhances thermal efficiency and sound insulation.

**Glass:** The glass option provides a sleek, modern look with the added benefit of natural light.

### Additional Options:

- ▶ Burglary-resistant, stained glass, and decorative glazing
- ▶ Burglary resistant hardware
- ▶ Wooden decorative elements (milled astragals, muntins)
- ▶ Glazing Bars: adhesive wooden, frame-integrated, or internal



### GUARANTEED SECURITY

Engineered for enhanced security, **P4 anti-burglary glass** features multiple laminated layers that provide resistance against forced entry.









## *INTERNAL DOORS*

Each door, regardless of its function, affects the appearance of the interior. It is therefore important that it has a style consistent with the interior design. We try to make each of our products a unique element emphasizing the style of the entire building. We make internal doors to individual orders, taking into account the needs and tastes of our customers.





## ***Traditionally Opening Doors***

Traditionally opening doors, commonly known as hinged doors, are the most standard type used for internal spaces. They operate by swinging open on hinges that are typically mounted on one side of the door frame. These doors are simple, reliable, and widely used in residential and commercial interiors due to their ease of installation and classic appearance. Available in a variety of materials and styles, traditionally opening doors suit both modern and traditional interiors, providing a familiar and functional solution for room separation.

We produce these doors in two forms:

### **Rebated Doors**

Rebated doors feature a stepped edge where part of the door overlaps the frame when closed, creating a tighter and more secure fit. This design not only enhances the door's ability to block out sound and light but also improves insulation. Rebated doors are often chosen for their traditional look and added functionality, making them ideal for both external and internal applications where a solid seal is preferred.

### **Non-Rebated Doors**

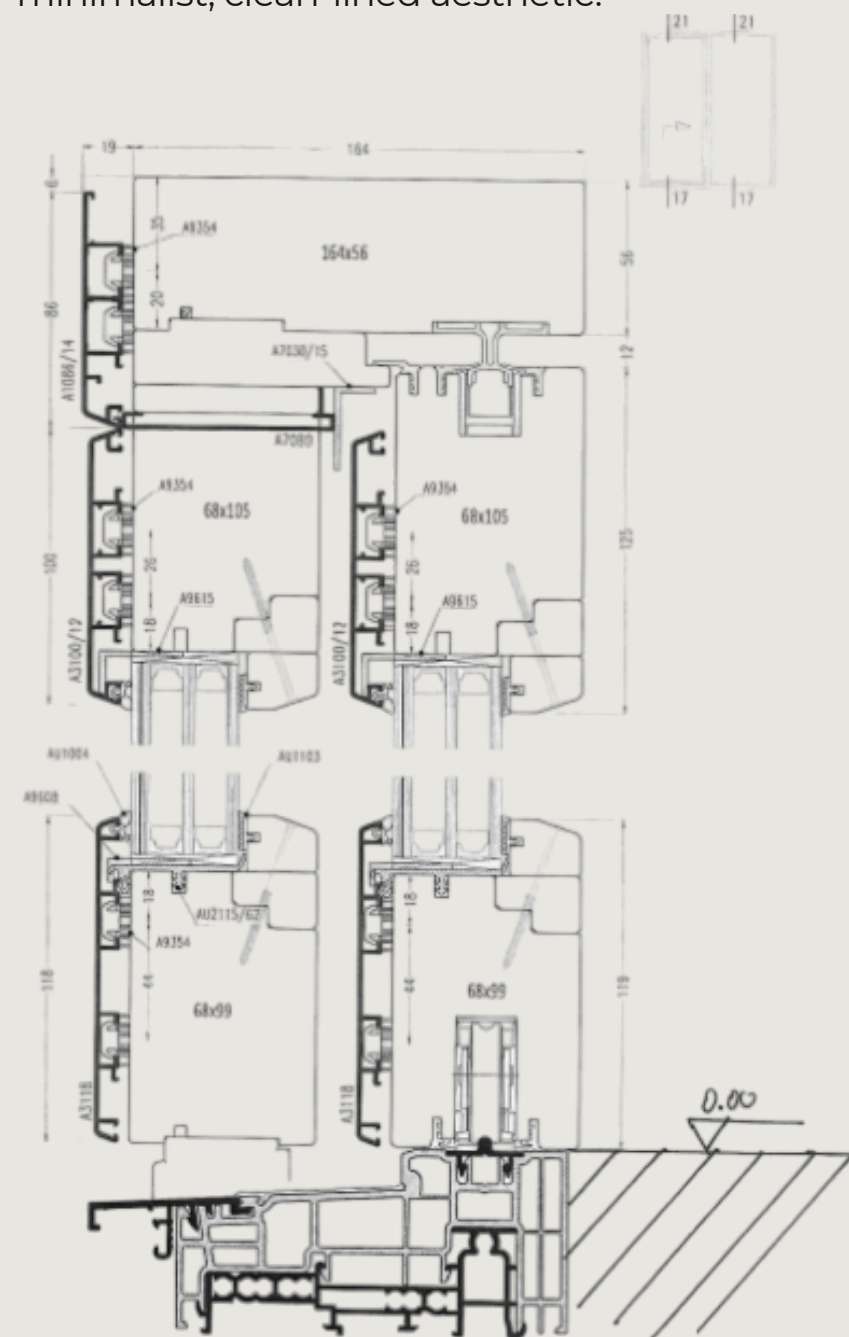
Non-rebated doors, also known as flush or plain-edge doors, have a straight edge that fits neatly within the frame without any overlapping. They offer a sleek, minimal appearance, making them popular in modern and contemporary interiors.





## *Lift and Slide Doors*

Sliding doors are a sleek and space-saving solution, perfect for both modern and traditional interiors. They operate by gliding along a track, allowing for smooth, effortless opening without the need for swing space. Ideal for connecting indoor and outdoor areas or dividing rooms, sliding doors maximize natural light and visibility while offering a minimalist, clean-lined aesthetic.



- ▶ Smooth track, maximum panel width of 4 meters
- ▶ Flush mount with interior floors











## *WOODEN SHUTTERS*

Shutters, as an additional exterior element, serve an aesthetic purpose and provide complete privacy within the home. They are functional and elegant, making them suitable not only for traditionally designed homes but also for modern buildings, where they enhance the facade. Properly selected shutters add charm to a home.

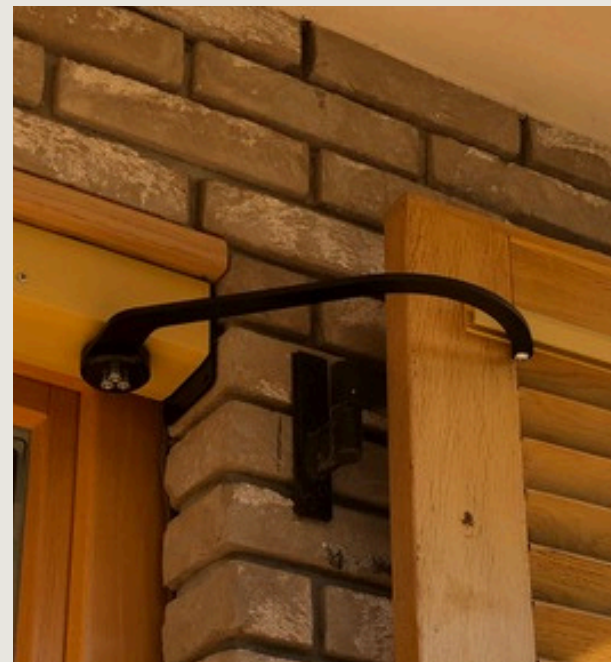




For the production of shutters we use:

- ▶ Meranti 450+, oak or pine wood
- ▶ Remmers varnishes that perfectly protect wood
- ▶ Roto hardware ensuring trouble-free operation

TWO MODES OF OPERATION:



### MANUALLY

Manually operated window shutters for simple, reliable, and cost-effective light and privacy control.



### BLUETOOTH

Bluetooth-operated window shutters for seamless, wireless control with just a tap on your device.







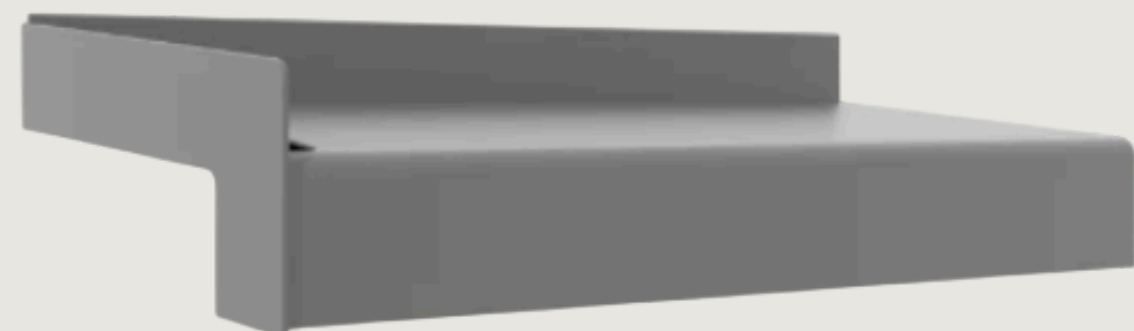
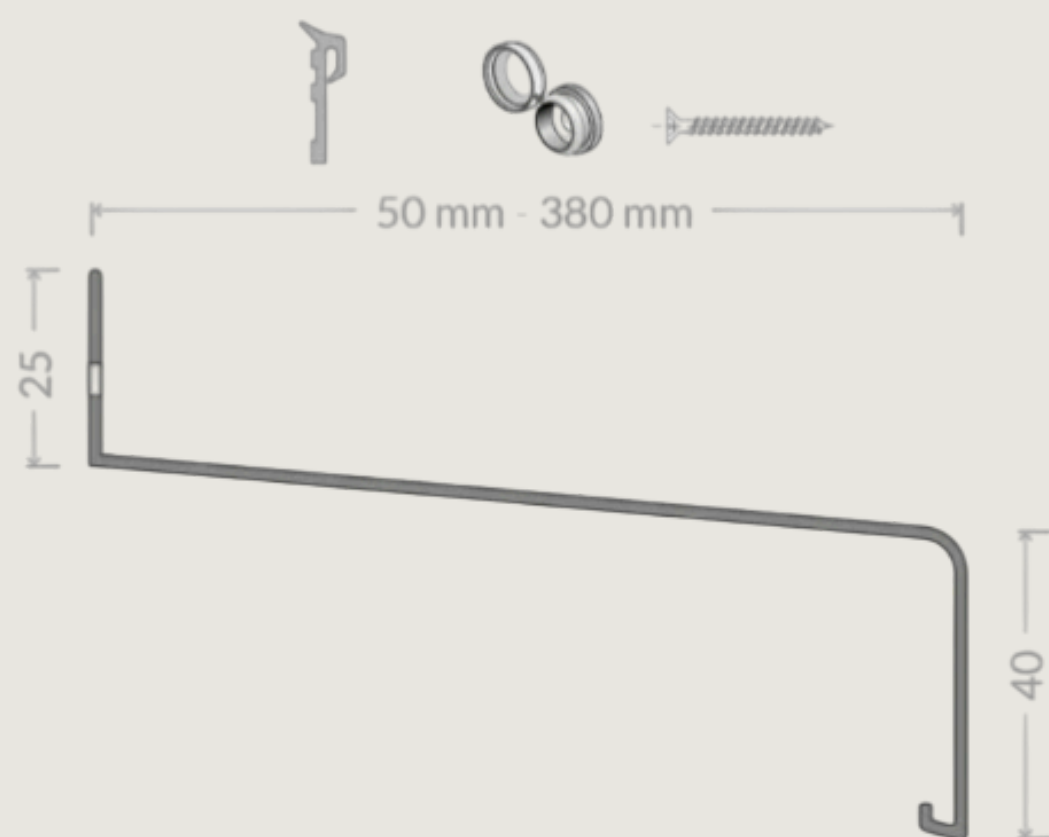
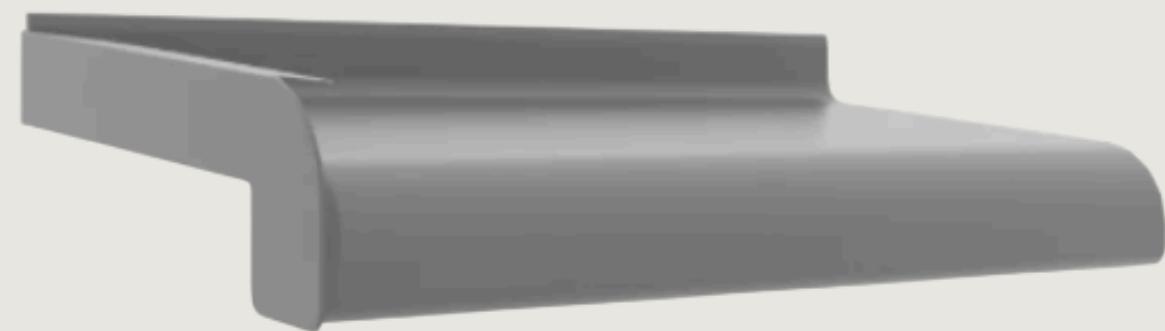


## ***Wooden Window Sills***

Our interior window sills, in addition to serving a functional purpose, also serve as a beautiful interior design element. Their colors can be identical to the windows or can complement other interior design elements.

*Available in Meranti 450+, oak or pine wood*





## ***Exterior Aluminum Window Sills***

Exterior aluminum window sills give excellent durability, tightness and solid workmanship. This includes end caps, gaskets, stainless steel screws, and screw cover clips.

- ▶ Variable sill widths from 50 to 380 mm
- ▶ Possibility to weld sills at different angles
- ▶ Average thickness of approx. 2 mm
- ▶ Extruded aluminum for indoor acoustic comfort



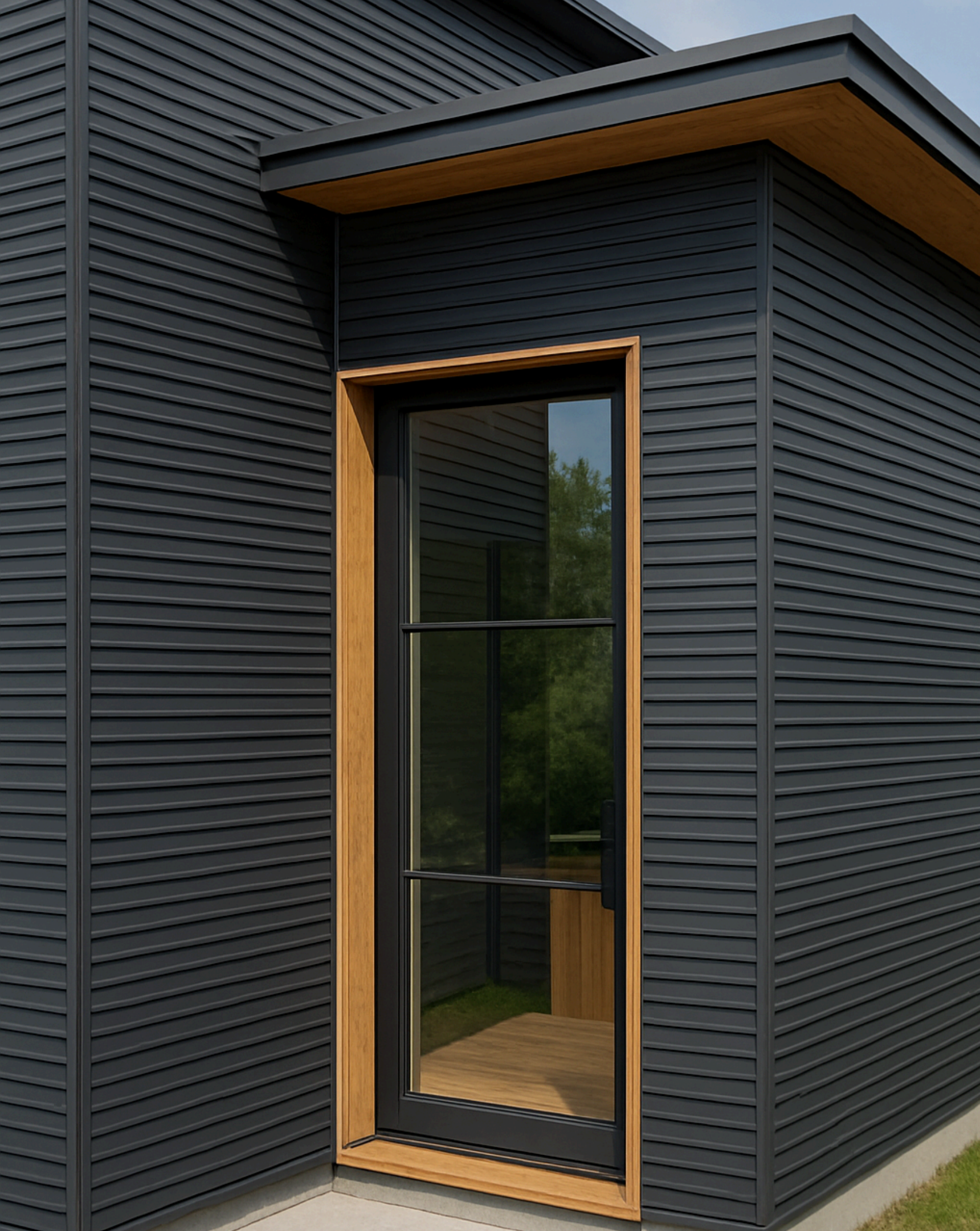


## MUNTINS

Our muntins are crafted with the same precision and attention to detail as our windows and doors themselves. Designed to sit on the exterior, they measure a sturdy 26mm, offering both structural presence and refined proportion. Each piece is engineered to complement the overall design, adding depth, character, and architectural elegance while maintaining the performance and energy efficiency of the window system.

- ▶ Design Element: Muntins enhance the architectural style of a building whether classic, traditional, or modern.
- ▶ Customization: They can be tailored in terms of layout (e.g. grids, patterns), materials, and finishes to suit design preferences.
- ▶ Matching aluminum exterior and wooden interior



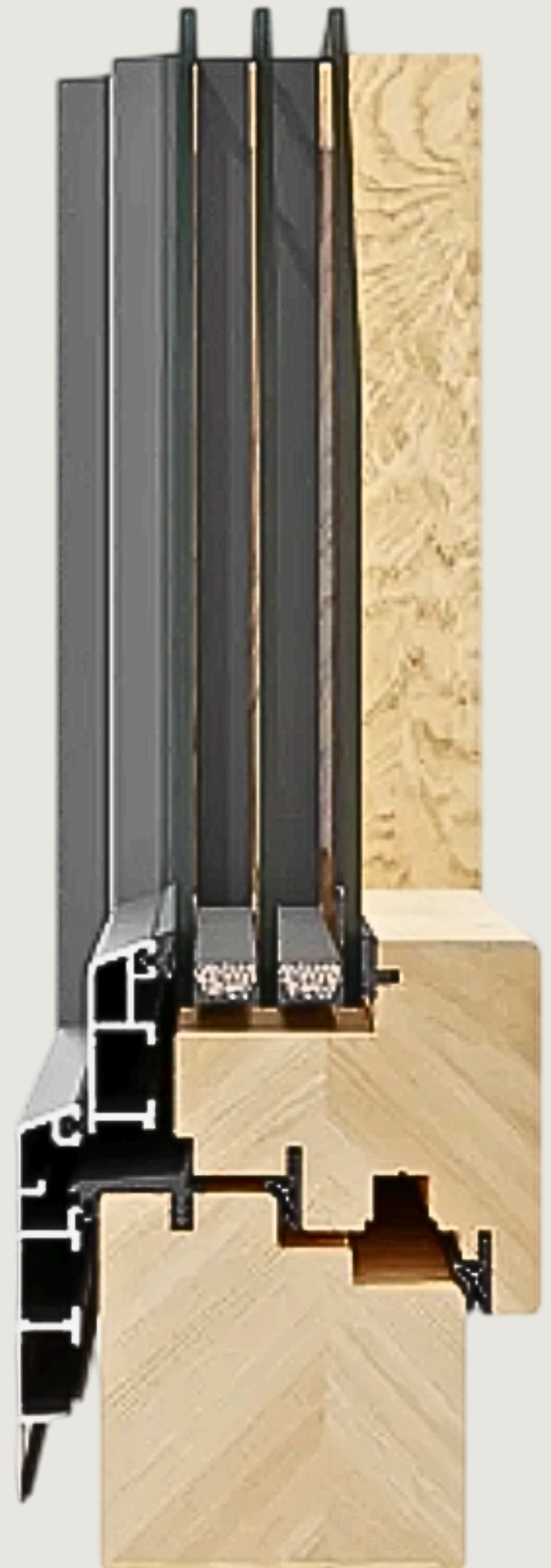


## *ALUMININUM CLADDING*

Aluminum cladding is a protective and decorative layer used on the exterior of buildings or windows. Known for its durability and low maintenance, it shields underlying materials from weather damage. Often used in modern architecture, aluminum cladding offers a clean look while enhancing energy efficiency and extending the lifespan of the structure.



Aluminum cladding serves as a durable and modern protective layer for buildings, shielding the structure from external elements such as rain, wind, and sunlight. Installed with a ventilated air gap between the cladding and the main wall, this system enhances insulation, reduces moisture buildup, and improves energy efficiency. The result is a sleek, low-maintenance exterior that not only boosts aesthetic appeal but also significantly extends the lifespan of the underlying structure.





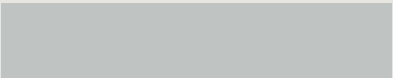
# CLAD FINISH COLOURS

Our aluminum clad finishes are crafted with the highest standards, and we are proud to partner with **Remmers** for the paint and coatings used in our products. Remmers offers exceptional quality with their Deckfarbe line, known for its durability, elasticity, and weather resistance. This collaboration ensures that our aluminum clad finishes not only look stunning but also stand the test of time in all weather conditions, providing long-lasting protection and beauty.

- ▶ Highly opaque
- ▶ Weatherproof and moisture-regulating
- ▶ Does not flake
- ▶ Environmentally Compatible



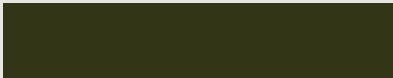
RAL 9016 (White)



Anodized Silver



RAL 7016 (Anthracite Grey)



Anodized Olive



RAL 8017 (Chocolate Brown)



Anodized Dark Brown



RAL 8019 (Grey Brown)



Special Colours





## *WOOD FINISHES*

Wood finishes enhance the appearance, durability, and protection of natural wood surfaces. They bring out the grain, add color or sheen, and shield the wood from moisture, wear, and UV damage. the right finish can dramatically improve both the look and lifespan of wood in windows and doors.



	
Hemlock (meranti)	Hemlock (pine)
	
Saffron (meranti)	Saffron (pine)
	
Mountain Cedar (meranti)	Mountain Cedar (pine)
	
Light Walnut (meranti)	Light Walnut (pine)
	
Afromosia (meranti)	Afromosia (pine)
	
Teak (meranti)	Teak (pine)
	
Dark teak (meranti)	Dark teak (pine)
	
Palisander (meranti)	Palisander (pine)

- Enhances Grain: Stains bring out the natural grain and texture of wood, adding depth and character
- Color Variety: Available in a wide range of tones, from light to dark, to match any style
- Protection: Many stains offer added protection against moisture and wear, increasing durability.



*We trust Remmers for our wood finishing, ensuring top-quality results every time.*





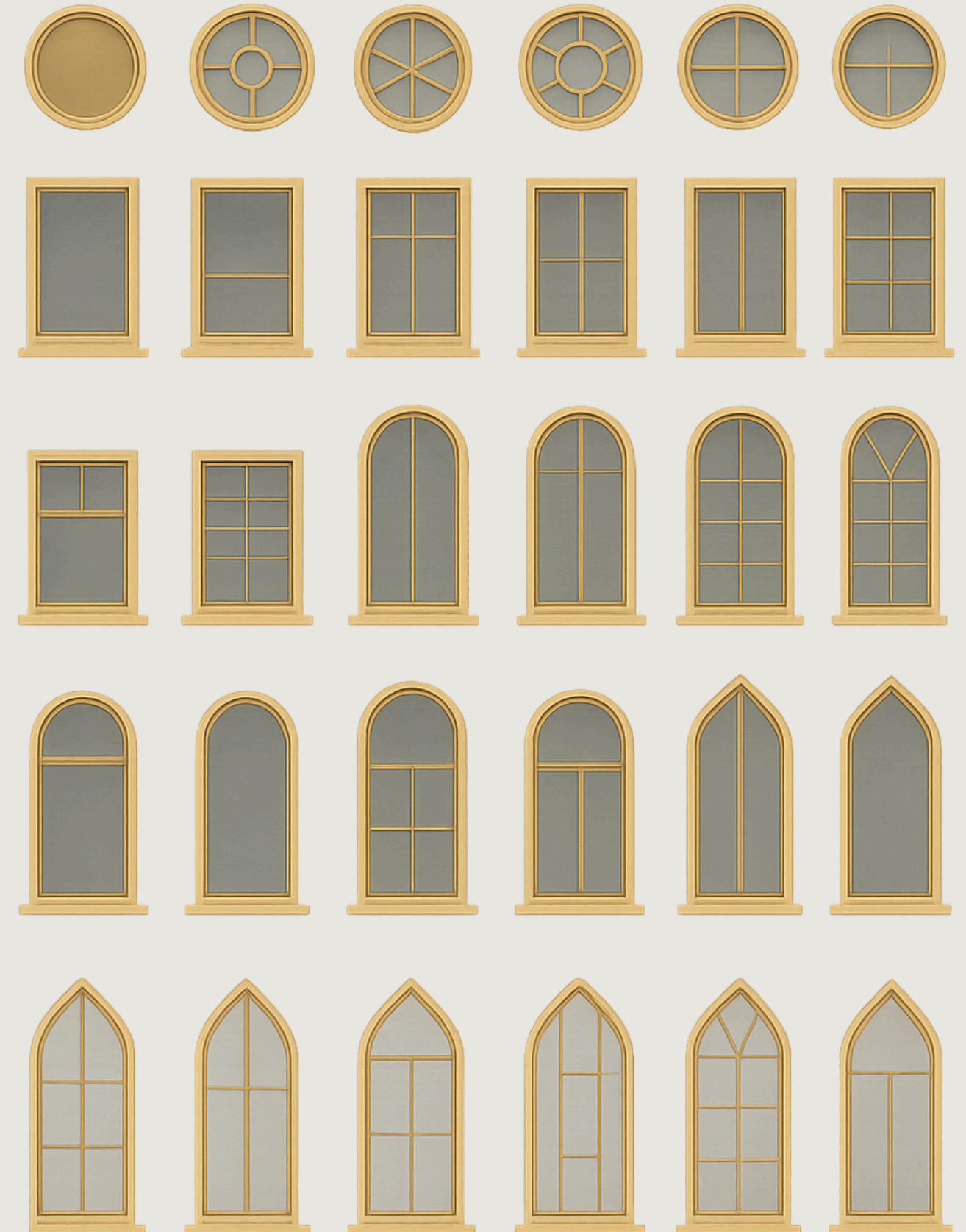
## *CUSTOM SHOP*

We offer a custom shop service where we tailor windows and doors to your exact specifications. From unique sizes and shapes to specialized finishes and detailing, each piece is crafted to match your design vision and functional needs—ensuring a perfect fit for your space.



## ***CUSTOM MILL WORK***

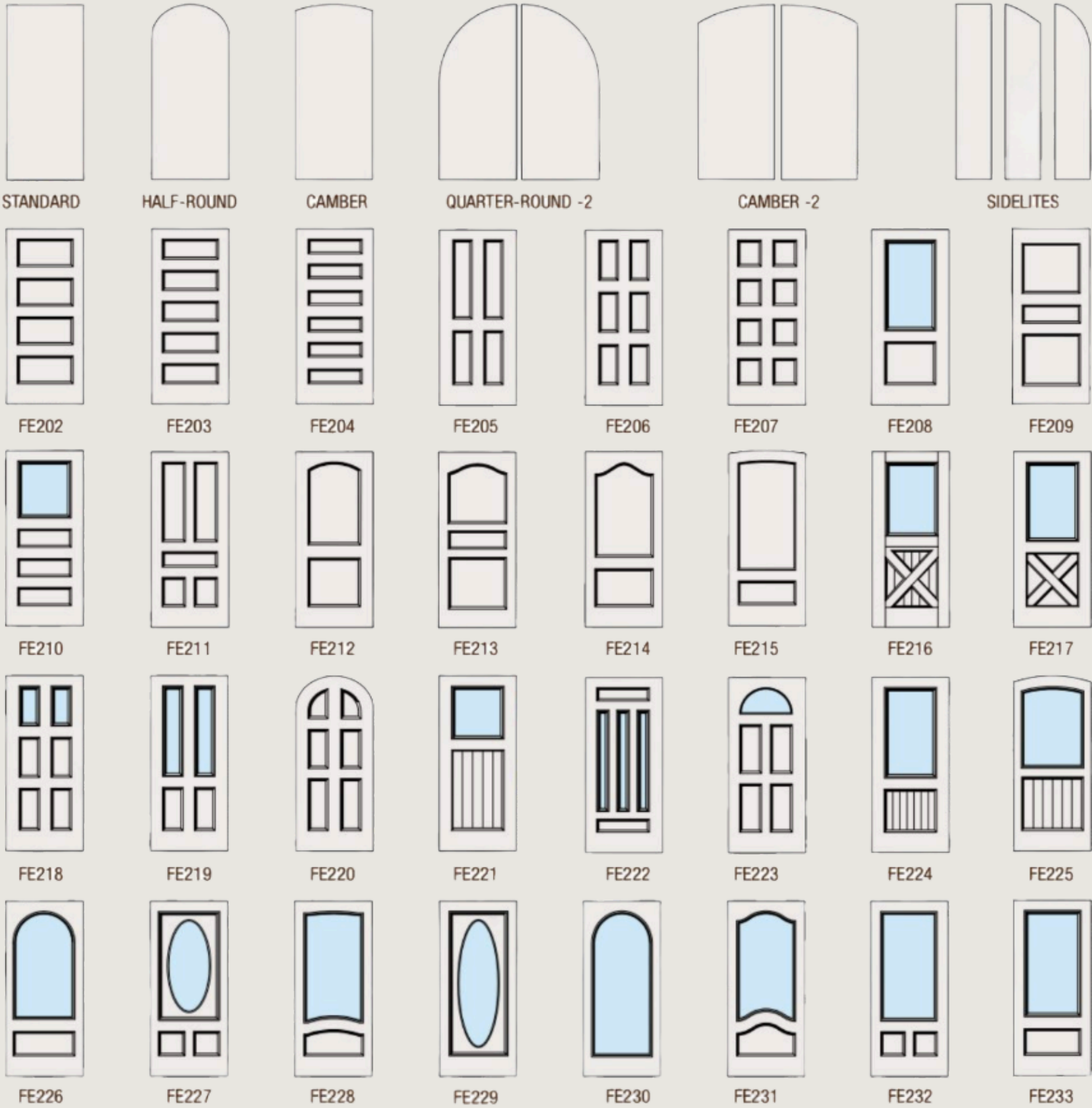
We can fully customize windows, made to fit any shape, size, or architectural style. From classic arches and circles to modern trapezoidal or triangular forms, our team works closely with you to bring your vision to life. Every window is made to order, ensuring a perfect fit and a seamless integration with your design. Whether you're building new or renovating, our custom millwork solutions are tailored to elevate your space with precision and character.





# CUSTOM ENTRANCE DOORS

We create custom entrance doors that reflect your style and elevate your home. From design to installation, we work closely with you to craft a door that fits perfectly, using quality materials and expert detailing to make a lasting impression.







## *MULTISLIDE DOOR*

Multi-slide doors feature multiple panels that slide open and stack to one side, creating wide, unobstructed openings. They provide a seamless connection between indoor and outdoor spaces, offering flexibility, natural light, and a modern aesthetic for patios or large living areas.



## *BI-FOLD DOOR*

Bifold doors are a sleek and practical solution for creating open, airy spaces. Made up of folding panels, they offer seamless access and maximize natural light, making them ideal for patios, balconies, or as room dividers.





## *WINDOW & DOOR HANDLES*

Our window and door handles blend form and function, offering a seamless combination of style, durability, and ease of use. Designed to complement any interior or exterior door, they come in a variety of finishes and profiles — from sleek modern lines to timeless classics.

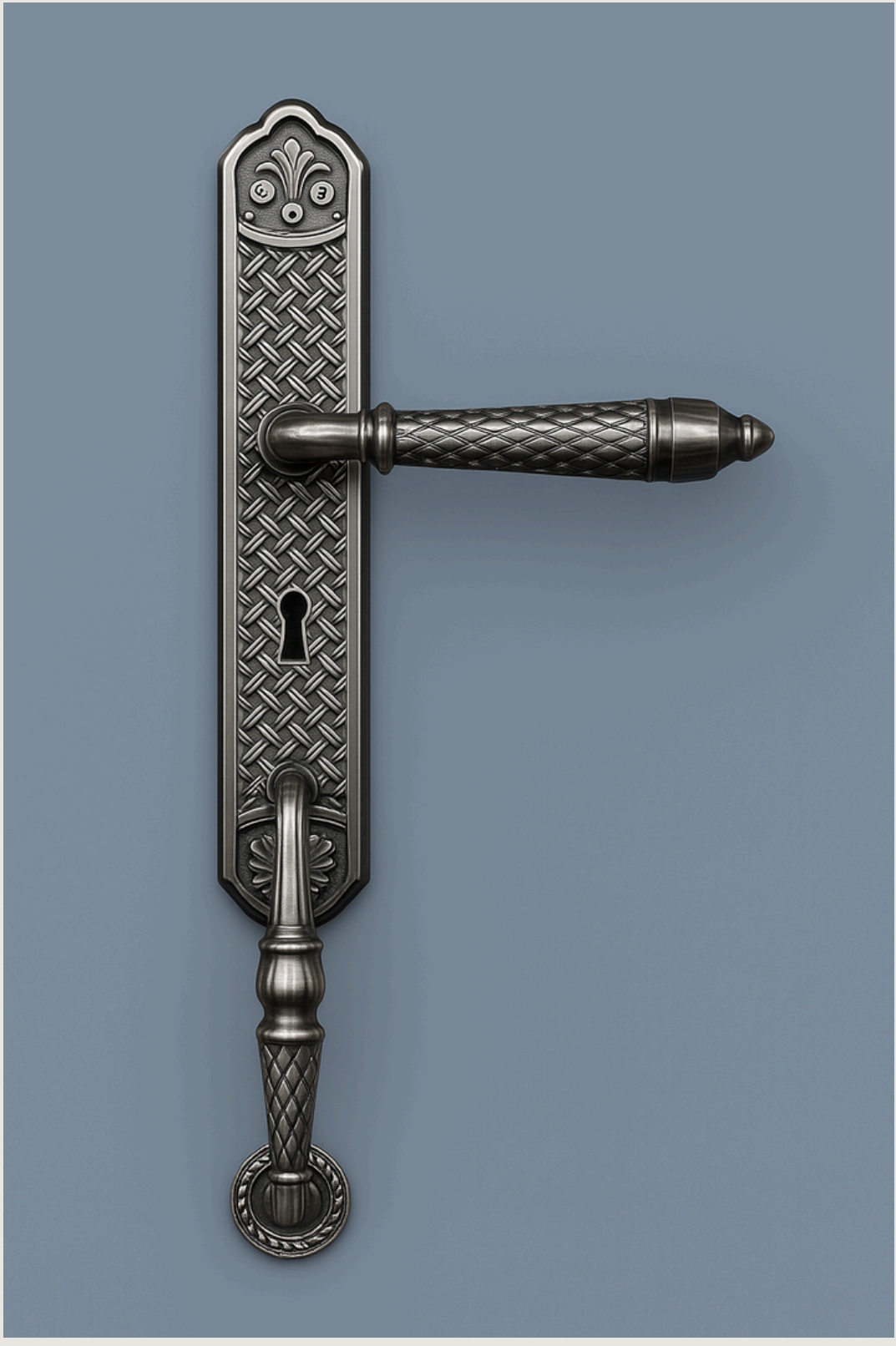




*Standard wooden windows include:*

- 01 microventilation
- 02 handle position lock with sash lifter
- 03 adjustable locking pins
- 04 additional stay for wide wings
- 05 two hooks and anti-theft corners
- 06 bolt closures in double-leaf windows with a movable mullion
- 07 adjustable hinges with a load capacity of 130 kg
- 08 two-position stay (for tilt and turn windows) with tilt stabilizer
- 09 hinge covers in one of 9 colours
- 10 original ROTO handle in one of 9 colours



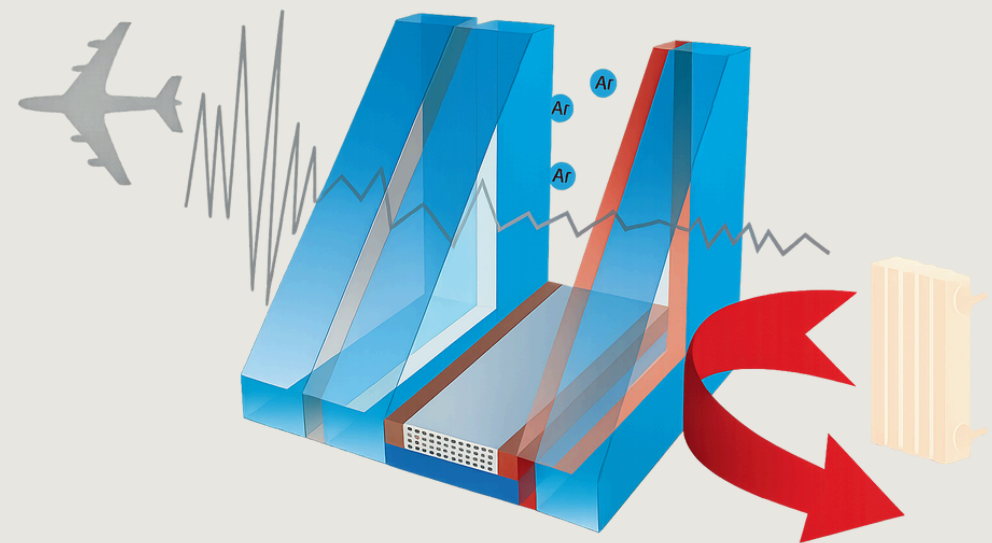




## EXTRA INFORMATION



GlasMax Silent



GlasMax Super Silent

### Sound-insulating Glass

Noise protection is crucial to our quality of life. It should be used wherever noise sources cannot be eliminated or reduced. High sound-insulating properties of glass are achieved through: the use of laminated glass, constructed with special films that significantly improve the glass's acoustic performance; increasing the glass mass, i.e., using at least one pane with a high surface density; asymmetric construction of the insulating glass unit; and filling the space between the panes with heavy damping gases.

The acoustic properties of a window are largely determined by the type and construction of the insulating glass unit. However, when choosing the right solution, it's also important to consider elements such as the window profile, hardware, professional installation, etc. Noise reduction rates aren't easily calculated. Therefore, selecting the right solution should be left to professionals.

Sound insulation can be combined with other functions, such as thermal insulation, safety, and solar control, for example, through the use of coated or laminated glass panes of a specific design. The acoustic insulation of insulating glass units is determined based on the EN 12354 standard. The amount of airborne sound attenuation is determined by the weighted attenuation value  $R_w$  and the adaptation indices  $C$  and  $C_{tr}$ . Depending on their design, insulating glass units achieve acoustic insulation between  $R_w = 28$  and 53 dB.

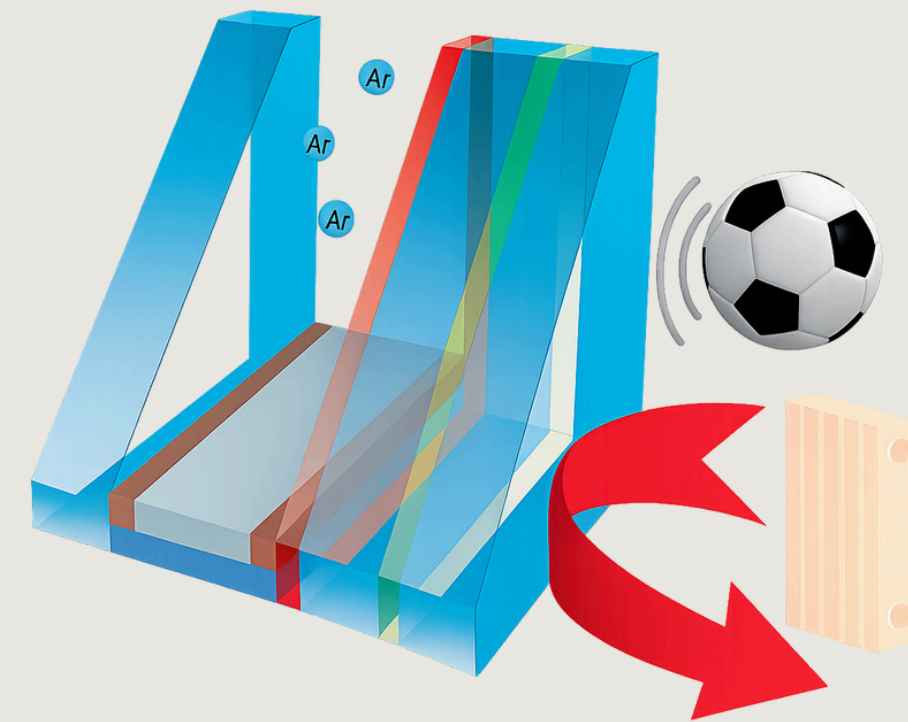


## Safety Glass

Wherever glass is used, safety is paramount. The primary purpose of safety glass is to protect people from injuries caused by sharp shards of glass in the event of breakage. Safety glass is characterized by increased resistance to impact or pushing. GlasMax Safe safety glass is a laminated glass, seemingly indistinguishable from traditional glass.

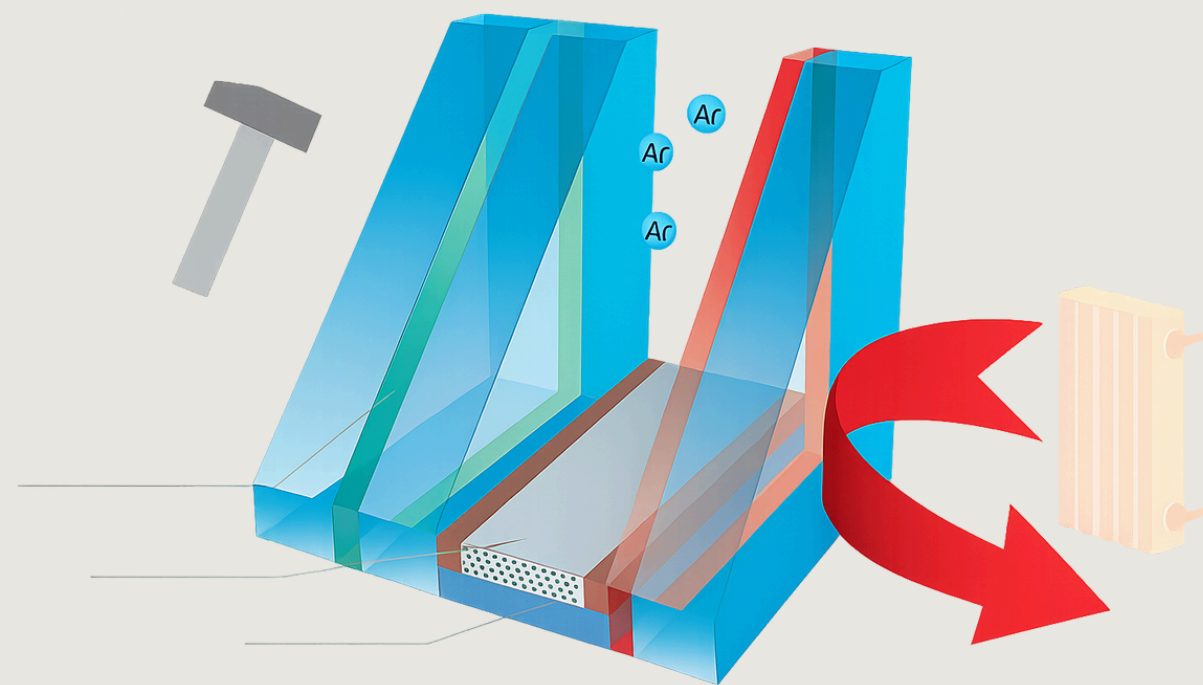
However, it combines numerous design requirements for modern products based on it. These include light and solar control, energy conservation, as well as the safety of residents and protection of the building and its inhabitants from external threats. Despite cracks resulting from impact, properly installed laminated glass remains safely in the window frame, thus maintaining the integrity of the building and fulfilling the other functions of the window.

The use of safety glass is particularly recommended for doors, partitions, all-glass glazing, balcony and terrace glazing, vestibules, balustrades, and other fall protection devices. Glass is classified for user safety according to the EN 12600 standard. This is a pendulum impact test method. Safety classes are determined based on the height of the pendulum's fall onto the glass sample and the glass's fracture pattern.



**GlasMax Safe**





GlasMax Secure

## Burglar-proof safety Glass

The primary purpose of burglar-resistant safety glass is to protect your home from thieves. Using this type of glass in a window with reinforced hardware eliminates the need for additional security measures such as grilles, shutters, roller blinds, etc., thus maintaining the aesthetic appearance of the façade. GlasMax Secure burglar-resistant glass is laminated. In this case, the level of security can be tailored to your needs using various combinations of glass and layers of low-stretch PVB film. The more glass layers and the thicker the film, the greater the security.



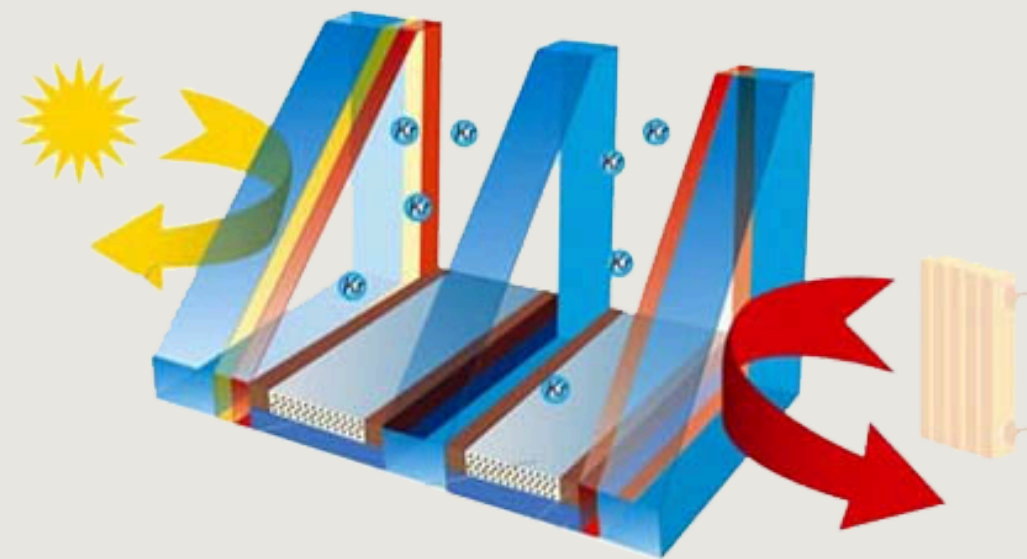


GlasMax Sunblock

## Sun Protection Glass

The primary purpose of solar control glass is to prevent rooms from overheating, which translates into greater comfort and lower air conditioning costs. This is particularly important in public buildings, such as office buildings. However, modern solar control glass can not only provide effective protection against undesirable room heating but also boasts excellent thermal insulation properties, reducing heat loss in winter.

Depending on their parameters, solar control glass can be characterized by various colors, from gray to blue to neutral. These glasses can also be characterized by high light transmission. This makes them suitable for use in residential buildings in rooms prone to overheating in the summer.



GlasMax Super Sunblock

The main parameter determining the solar control properties of glazing is the so-called solar factor "g," which characterizes the total transmittance of solar energy into the room. The solar factor is determined according to the EN 410 standard. The lower its value, the better the solar control properties of the insulating glass unit.



# Certified Performance and Compliance

At Compel Inc., we recognize that certifications and compliance with Canadian regulations are essential to delivering windows and doors that meet the highest standards of energy efficiency, durability, and performance. Our products are ENERGY STAR® certified, Passive House Institute (PHI) certified, and tested to NAFS (North American Fenestration Standard), ensuring they are engineered for the demands of the Canadian climate. Through our expertise in the market, Sobański has seamlessly adapted its centuries-old European craftsmanship to meet North American standards—providing architects, builders, and homeowners with windows and doors that combine timeless design with lasting performance.







COMPEL INC.

## CONTACT US

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