



alPlast[®]
windows and doors



WINDOWS SYSTEM

FREEDOM OF CHOICE, FREEDOM OF DESIGN

Window system IDEAL 4000 ECO



VISUAL LIGHTNESS

The system is characterized by its reduced profile width, giving the window a slimmer and more elegant appearance.

MORE POSSIBILITIES

In the configuration with a semi-concealed sash within the IDEAL 4000 system, even more thermally efficient structures with glass thicknesses of up to 48 mm can be achieved.

FREEDOM OF CHOICE

The unique design integrates seamlessly into numerous system solutions and profile shapes.



Enjoy a multitude of possibilities

The IDEAL 4000 window system is one of the most versatile systems in terms of the availability of profile shapes. The wide range of configurations allows the style to be effortlessly adapted to individual preferences. The semi-concealed sash enables the use of energy-efficient glazing packages with a thickness of up to 48 mm. For those seeking unique customization options for their windows, the Round-line series has been developed, featuring delicate aesthetics and soft curves.

Technical Features

Frame depth:	70 mm
Width of the frame-sash set:	119 mm
Maximum glass thickness:	36 mm
Thermal transmittance coefficient U_f :	1.3 W/m ² K
Thermal transmittance coefficient U_w :	1.1 W/m ² K
Sealing system:	External (2 gasket)

IDEAL 4000

Number of chambers:	5
Aluminum claddings Aluskin:	no
Reinforcement system:	steel
Foaming option:	no
Available core colors:	White, Brown, Anthracite, etc...
Available profile styles:	classic line

*For a reference window 1230 x 1480 mm (with glass $U_g = 0.8$ W/m²K)

Windows system IDEAL NEO MD PRO



ENERGY SAVINGS

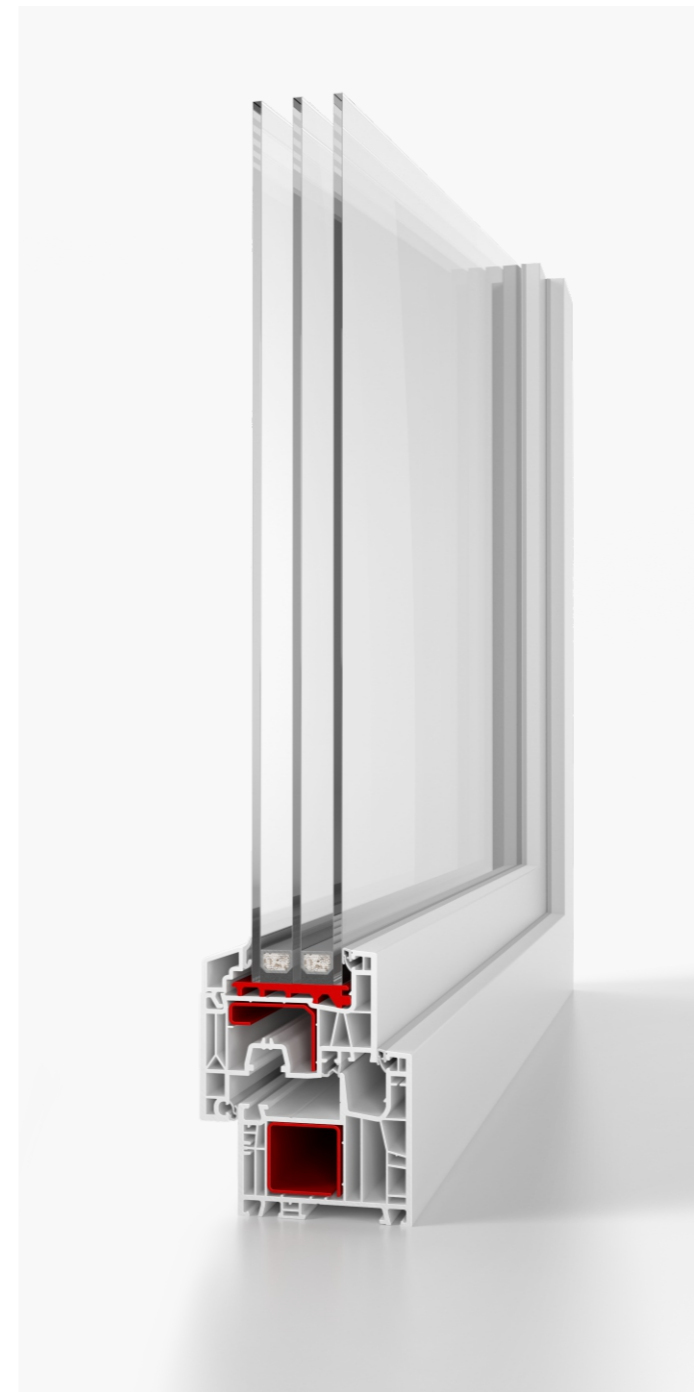
The NEO system allows for the use of insulating glass units and infill panels with a thickness of up to 54 mm.

ENHANCED BURGLARY PROTECTION

The special central cutout in the MD variant serves as a barrier against attempts to access the fittings or force open the sash.

HIGH SEALING PERFORMANCE

The third inner seal in the MD variant ensures enhanced tightness of the entire structure, improving both thermal and acoustic properties.



Design meets technology

IDEAL NEO MD combines the most innovative solutions with exceptional design. In the MD variant, the special extruded central seal “safetec inside” makes prying open the sash more difficult and blocks access to the fittings.

The NEO series represents a new dimension in window development, meeting the highest energy efficiency standards while embracing the latest design trends.

Technical Features

Frame depth:	76 mm
Width of the frame-sash set:	115 mm
Maximum glass thickness:	54 mm
Thermal transmittance coefficient U_f :	1.1 W/m ² K
Thermal transmittance coefficient U_w :	0.86 W/m ² K
Sealing system:	3 gaskets

*For a reference window 1230 x 1480 mm (with glass $U_g = 0.6$ W/m²K)

IDEAL NEO MD

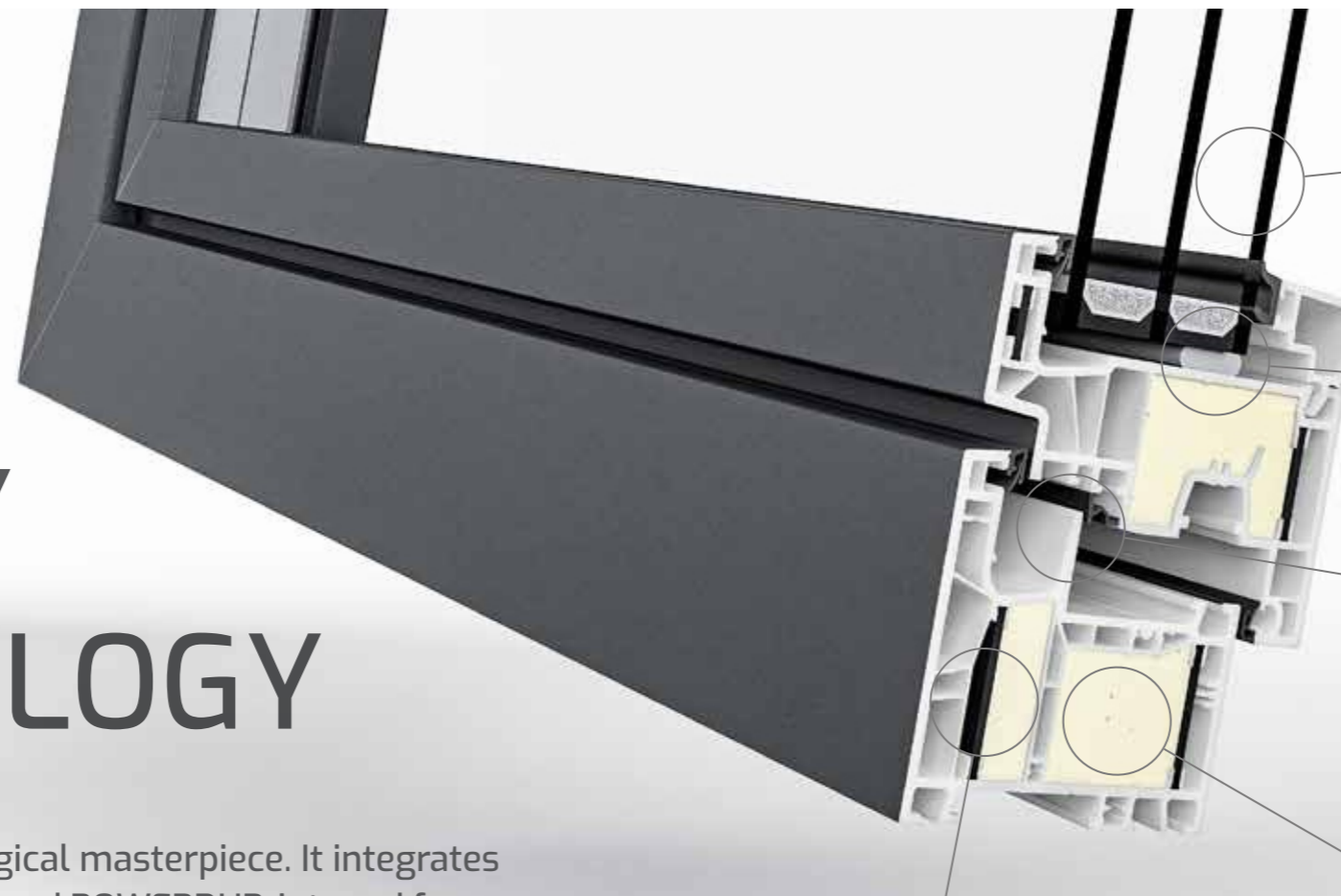
Number of chambers:	6
Aluminum claddings Aluskin:	yes
Reinforcement system:	steel
Foaming option:	yes
Available core colors:	White, Brown, Anthracite, etc...
Available profile styles:	classic line, flush line



energeto® NEO Window System

SYNERGY OF TECHNOLOGY

The energeto® NEO system is a technological masterpiece. It integrates all of Alplast's advanced technologies: internal POWERDUR, internal foam insulation, internal Safetec, and bonding. All of this ensures maximum security for your home and the highest energy efficiency.



ENERGY-SAVING GLAZING UNITS

The new profile series allows for the use of glass and infill panels with a thickness of up to 68 mm.

BONDING INTERNAL

The adhesive layer creates a strong bond between the glass and the profile around the entire perimeter of the window. This increases the rigidity of the entire structure and enhances burglary resistance.

SAFETEC INTERNAL

A special extruded central seal acts as a barrier against attempts to access the fittings and force open the sash. A third inner seal connects to the central seal, ensuring better sealing of the entire structure, thereby improving both thermal and acoustic properties.

POWERDUR INTERNAL

The composite reinforcements improve the thermal properties of the profiles while maintaining the structural parameters.

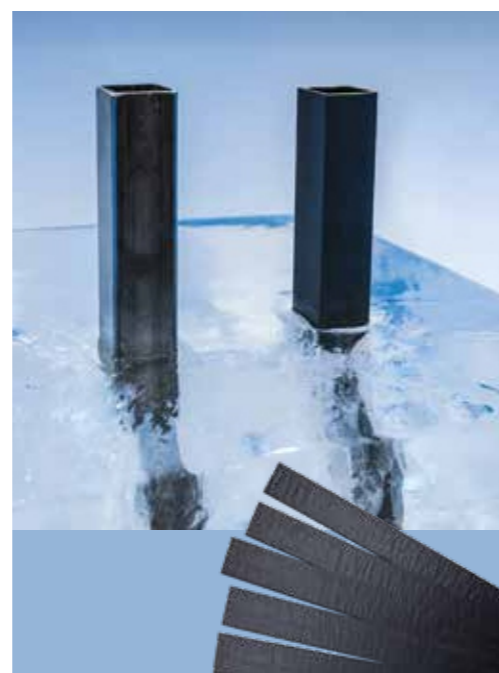
FOAM INSULATION INTERNAL

The innovative technology, which involves introducing polyurethane foam into the chambers of the profile, allows for achieving exceptionally high levels of thermal insulation.

Powerdur internal warm edge

The metal reinforcement in window profiles creates a thermal bridge due to its high thermal conductivity. The exceptional mechanical properties of the composite material Ultradur High Speed make it ideal for use in window frames.

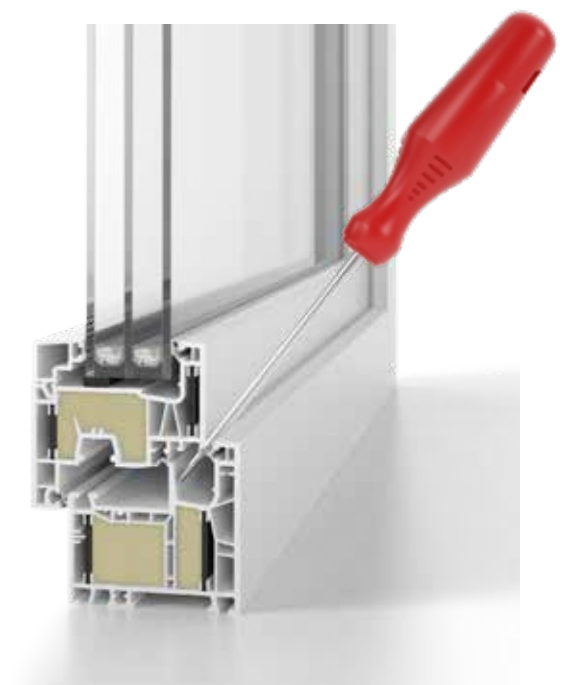
The use of Powerdur significantly improves the thermal properties of the profiles, primarily due to the thermal conductivity of the composite material Ultradur High Speed, which is 50 times lower than that of steel.



Enhanced Burglary Protection

The energeto® NEO system offers an above-average level of burglary protection. Thanks to the bonding internal technology, which involves optionally bonding the glass to the profile, an extremely strong connection is created around the entire perimeter of the window.

This makes it nearly impossible to push the glass out of the sash. Additionally, a special extruded central seal, safetec internal, further complicates attempts to force open the sash by blocking access to the hardware mechanisms.



Window system IDEAL 8000 PREMIUM



VISUAL LIGHTNESS

The system design is characterized by the reduced sash height, giving the window a slimmer appearance.

SECURITY

The IDEAL 8000 is one of the few systems on the market equipped with the so-called "classic central seal." This ensures greater tightness of the entire structure and makes it more difficult to pry open the sash.

RELIABILITY

The three-seal system ensures a longer lifespan for the fittings, which are located in the so-called dry chamber and are thus isolated from external influences.



An uncompromising solution

Awarded the gold medal at the Budma trade fair, the IDEAL 8000 system represents a combination of the most advanced technical solutions, ensuring exceptional performance in thermal insulation, noise reduction, security, and outstanding aesthetics. It is the perfect choice for those seeking the highest level of living comfort.

The IDEAL 8000 window system also impresses with its exceptional and distinctive design, enabling the realization of original and aesthetically valuable architectural solutions.

Technical Features

Frame depth:	85 mm
Width of the frame-sash set:	119 mm
Maximum glass thickness:	51 mm
Thermal transmittance coefficient U_f :	1.0 W/m ² K
Thermal transmittance coefficient U_w :	0.83 W/m ² K
Sealing system:	3 gaskets

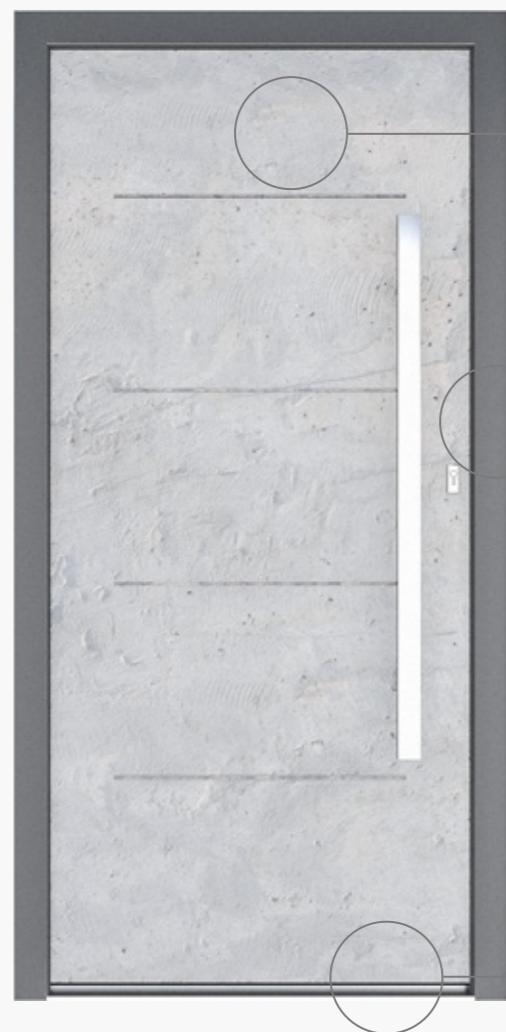
*For a reference window 1230 x 1480 mm (with glass $U_g = 0.6$ W/m²K)

IDEAL 8000

Number of chambers:	6
Aluminum claddings Aluskin:	yes
Reinforcement system:	steel
Foaming option:	yes
Available core colors:	White, Brown, Anthracite, etc...
Available profile styles:	classic line, aluskin

Entrance Door System

ENTRY DOOR 85



APPLIED PANEL

In addition to the standard infill, you can choose a variant with an optional decorative panel that covers the surface of the sash, creating a unique visual effect.

STRUCTURAL STABILITY

The robust steel reinforcement in the main chamber of the door profile ensures the stability of the frame.

LOW DOOR THRESHOLD

The low door threshold, with a height of 20 mm, meets the requirements for barrier-free construction and provides convenient and obstacle-free access.



Go for an entrance with character

The new ENTRY DOOR 85 entrance doors stand out for their excellent thermal insulation and are compatible with the IDEAL 7000 and 8000 window system series.

Thanks to the multi-chamber structure, a construction depth of 85 mm, and a threshold with a thermal insulation insert, the thermal insulation values have been significantly improved, achieving a U_f value of 1.2 W/m^2K . The new profiles allow for the use of insulating glass units and infill panels with a thickness of up to 50 mm.

Technical Features

Frame depth:	85 mm
Width of the frame-sash set:	158 mm
Maximum glass thickness:	50 mm
Thermal transmittance coefficient U_f :	1.2 W/m^2K
Thermal transmittance coefficient U_w :	0.82 W/m^2K
Sealing system:	2 gaskets

ENTRY DOOR 85

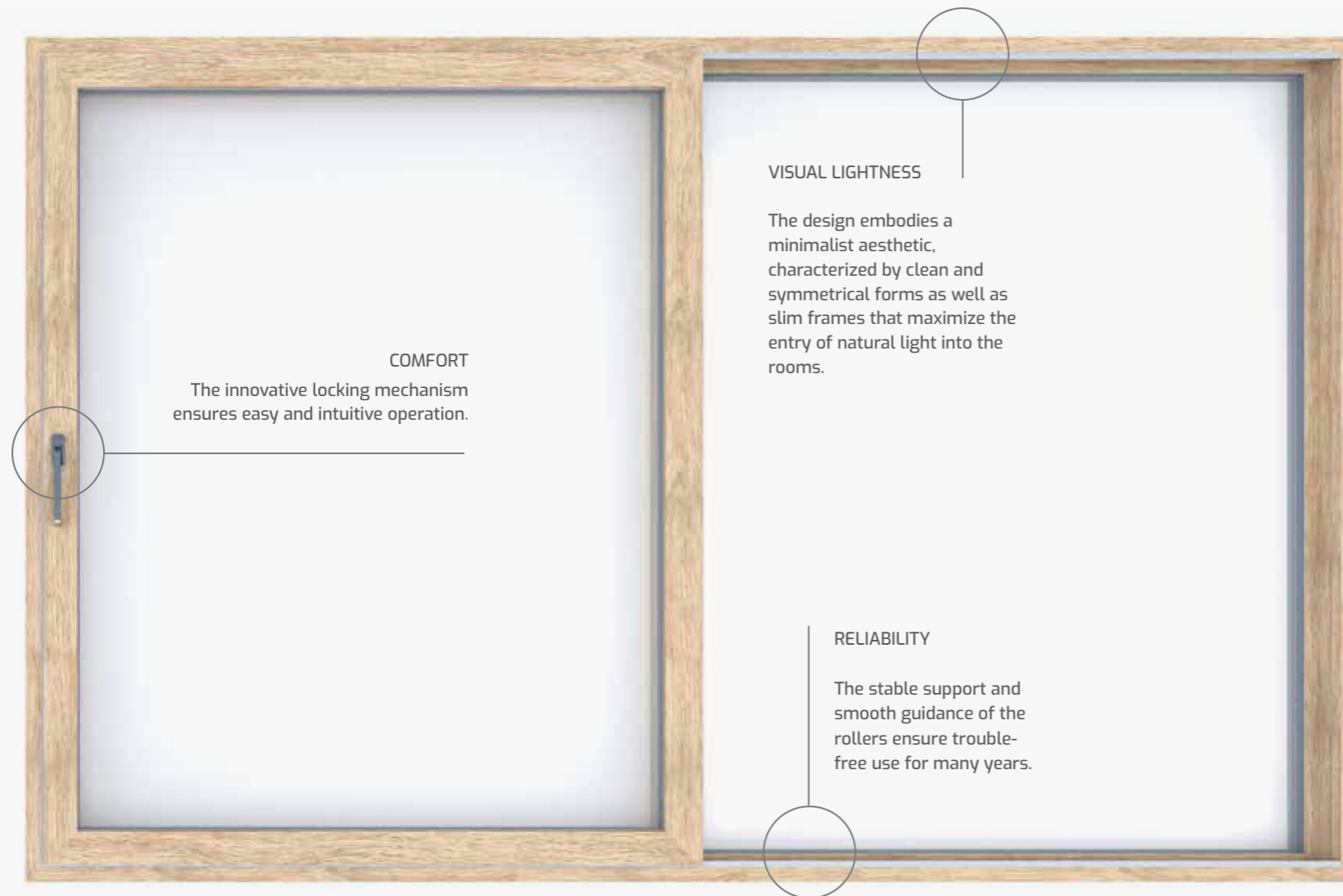
Number of chambers:	6
Aluminum claddings Aluskin:	yes
Reinforcement system:	steel
Foaming option:	yes
Available core colors:	White, Brown, Anthracite, etc...
Available profile styles:	classic line, aluskin



Smart Slide NEO Sliding Doors

USE ON THE PATIO SO CONVENIENT LIKE NEVER BEFORE

Smart Slide NEO offers a minimalist design inspired by Scandinavian aesthetics. Simple, symmetrical forms and sleek, distinctive profiles give the windows an incredible sense of lightness and elegance.



COMFORT
The innovative locking mechanism ensures easy and intuitive operation.

VISUAL LIGHTNESS

The design embodies a minimalist aesthetic, characterized by clean and symmetrical forms as well as slim frames that maximize the entry of natural light into the rooms.

RELIABILITY

The stable support and smooth guidance of the rollers ensure trouble-free use for many years.

Choose **Smart Slide NEO** Sliding door for the patio: let the sunlight in

The non-opening part of the fixed glazing, crafted with extremely slim profiles, allows for maximizing the glazing areas while reducing the frame section. This meets customer expectations and aligns with modern design trends for glazing solutions.



SQUARE DESIGN

The simple and symmetrical shapes make Smart Slide NEO a perfect blend of modernity and elegance.



INTUITIVE OPERATION

Once unlocked, the door glides with exceptional ease, requiring only minimal effort.



SEALING

Turning the handle presses the peripheral seals laterally against the frame, ensuring a hermetic seal along the entire frame.



SMART SLIDE NEO

FOR THE PATIO AND... THE KITCHEN

Smart Slide NEO is not limited to sliding doors for the patio; it is also an ideal solution for kitchens, where furniture can restrict the functionality of traditional casement windows.

By integrating Smart-slide NEO sliding windows, large glass surfaces can be achieved while optimizing space efficiently. The Smart-slide NEO windows are lightweight and easy to operate. The sash glides effortlessly on the rollers when opened.

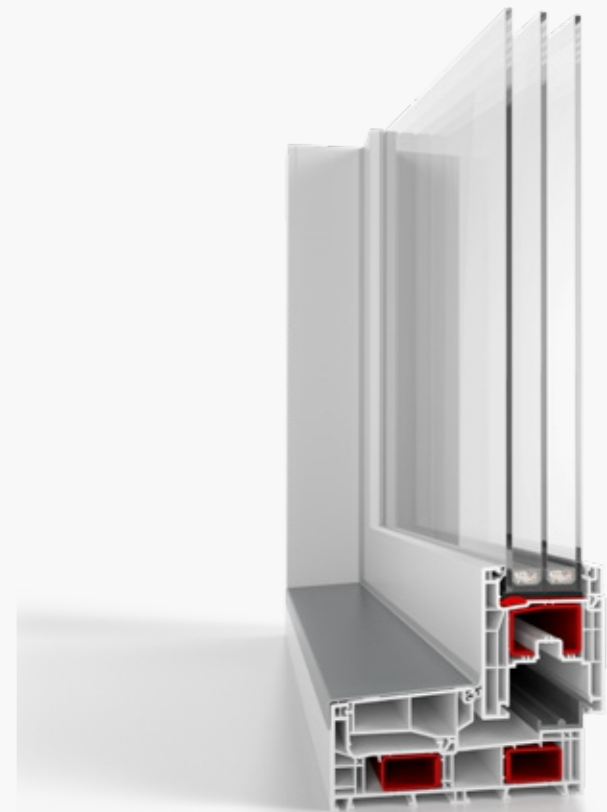
The option to lock the window in any desired position provides an excellent alternative to conventional limiters and restrictors for windows.





Smart Slide NEO Sliding Doors

The Smart-slide NEO sliding doors enable the creation of a glass structure with dimensions of up to 6 x 2.5 meters. They can be designed with either opening scheme A (featuring a symmetrical or asymmetrical division) or scheme C, which includes two sashes that slide to the sides.



Technical Features

Frame/Sash installation depth: 154 mm / 78 mm

Thermal transmittance coefficient Uf: 1.4 W/m²K

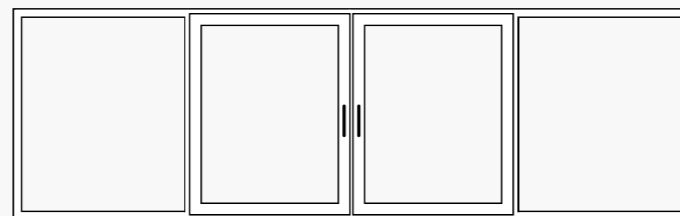
Maximum glazing thickness: 52 / 54 mm

Maximum construction width: 6000 mm

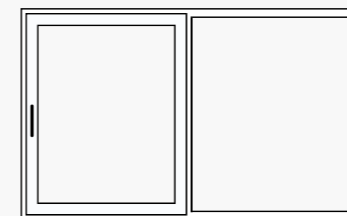
Maximum construction height: 2500 mm



Scheme A asymmetrical



Scheme C



Schema A symmetrical

HST 85 MM Lift and Slide Doors

PERFECT CONNECTION INTERIORS WITH THE TERRACE

HST sliding doors are a window construction that allows for the realization of large-scale glazing while ensuring high user comfort. The sliding doors for the terrace eliminate the boundary between the house and the garden. This provides excellent natural lighting for the interiors and visually enlarges the space.

INTUITIVE USAGE

Turning a large handle from the closed position lifts the sash by a few millimeters, reduces pressure on the seals, and allows the sash to move freely.

FUNCTIONALITY

The special hardware mechanisms allow large sashes to be moved with minimal effort.

RELIABILITY

The stable support and guidance of the rollers ensure trouble-free use for many years.

Choose the terrace doors HST 85 MM: Enjoy the panoramic view

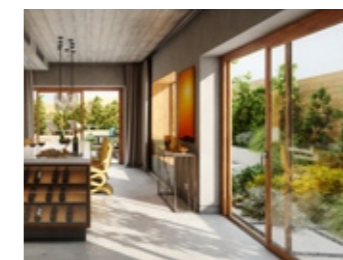
An undeniable advantage of these terrace doors is their possible dimensions.

The sash width can range from 800 mm to 3200 mm, with a maximum height of 2700 mm in white. This allows for glazing widths of over six meters to be achieved.



A HOME WITHOUT BARRIERS

The low door threshold, with a height of 48 mm and fully flush-mounted, meets the requirements for barrier-free construction.



PANORAMIC VIEWS

The HST 85 MM doors enable the creation of elegant glass sliding doors that seamlessly connect the interiors of our home with the outdoor environment.



BRIGHT INTERIORS

HST 85 MM also ensures an increased amount of natural light in the rooms and efficient use of solar heat.



HST 85 MM Lift and Slide **Doors**

FREEDOM OF CONFIGURATION

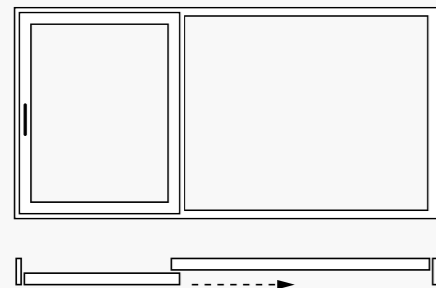
An outstanding feature of the HST 85 mm doors is their modular structure, which allows for the individual configuration of the product according to desired parameters and functions.

The HST 85 mm lift-and-slide doors are available in various designs and configurations, featuring movable sashes and fixed elements.

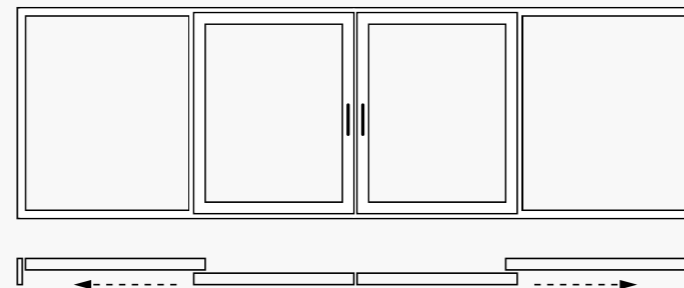
Some of the most common HST door models include:

2-sash variants, with one or both sashes movable.

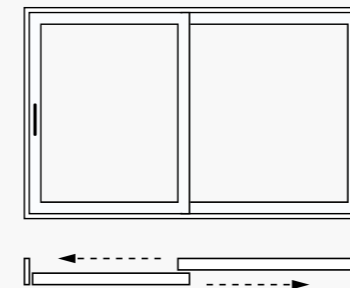
4-sash variants, with the two middle sashes or all sashes movable.



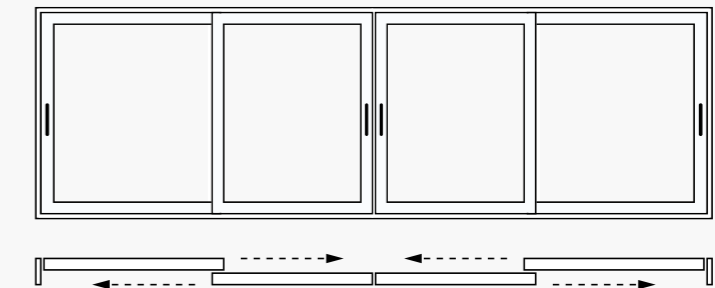
Scheme A



Scheme C



Scheme D



Scheme F

HST 85 MM Lift and Slide Doors



Technical Features

Frame/Sash installation depth: 197 mm / 85 mm

Thermal transmittance coefficient U_f : 1.3 W/m²K

Maximum glazing thickness: 51 mm

Maximum construction width: 6500 mm

Maximum construction height: 2700 mm

These large-format windows make it possible to eliminate all types of restrictions, save space, and freely design the interiors of the home.





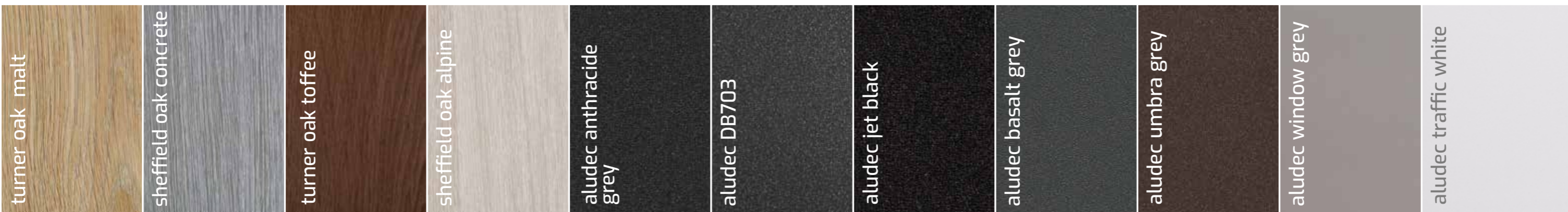
WOODEC & ALUDEC

Inspired by nature

A faithfully preserved look of real wood and a unique character, combined with all the advantages of a uPVC window: this is what the new decorative woodec structures offer. Not only is it difficult to visually distinguish them from natural material, but the woodec structure also mimics the texture of wood in an extremely realistic way, thanks to deep embossing and a matte surface finish.

Inspired for the style

The attractive surface of the decorative aludec structures, characterized by a unique, finely textured, and matte finish resembling powder-coated aluminum, is undoubtedly a perfect choice for modern and minimalist environments. The new aludec structures embrace this trend and are available in seven appealing shades, ranging from white and gray to brown, anthracite, metallic Alux, and deep black.





AL PLAST uPVC Windows and Doors

Founded in 1994, AL PLAST has become your trusted partner in the industry. With decades of experience in production, a strong focus on customer satisfaction, and a continuous commitment to innovation, we have established ourselves as a leading manufacturer of doors and windows.

Furthermore, we are among the largest manufacturers of windows made from uPVC and aluminum (ALU). All our products are CE and ISO certified, ensuring exceptional quality and compliance with the highest standards. In addition, we use only premium materials that are RAL certified to guarantee maximum reliability.

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