



Dual Action Windows

CATALOG PVC



U-Factor window, frame and glazing

U-factor (window)	With a Swisspacer spacer bar (thermal performance = 0.00528 BTU/h-ft ² -°F)									
	U _f	U _g	0.19	0.18	0.16	0.14	0.12	0.11	0.09	0.07
IDEAL 4000	0.25	0.25	0.23	0.21	0.21	0.19	0.18	-	-	-
IDEAL 4000 NEW	0.23	0.23	0.23	0.21	0.19	0.19	0.18	-	-	-
IDEAL 5000	0.21	0.23	0.21	0.21	0.19	0.18	0.17	-	-	-
IDEAL 7000 NEW	0.19	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	-
IDEAL 8000	0.18	0.21	0.21	0.19	0.18	0.17	0.16	0.15	0.14	-
ENERGETO 8000	0.17	0.21	0.21	0.19	0.18	0.17	0.15	0.14	0.13	-
IDEAL 7000 NL	0.19	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	-
IDEAL NEO - AD	0.21	0.23	0.21	0.21	0.19	0.18	0.18	0.16	0.15	-
IDEAL NEO - MD	0.21	0.23	0.21	0.21	0.19	0.18	0.18	0.16	0.14	-
ENERGETO NEO	0.19	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	-
MONOBLOCK	0.25	0.25	0.23	0.21	0.21	0.19	0.18	-	-	-
NORDLINE	0.26	0.25	0.23	0.21	0.21	0.19	0.18	-	-	-
IDEAL 70	0.25	0.25	0.23	0.21	0.21	0.19	0.18	-	-	-
4000 CASEMENT	0.23	0.23	0.23	0.21	0.19	0.19	0.17	-	-	-
EASY SLIDE	0.44	0.30	0.28	-	-	-	-	-	-	-
MULTI SLIDE	0.37	0.30	0.28	0.28	0.26	-	-	-	-	-
SMART SLIDE	0.25	0.25	0.23	0.23	0.21	0.19	0.18	0.17	-	-
HST 85	0.25	0.25	0.25	0.23	0.23	0.21	0.21	0.19	0.18	-
GREENEVOLUTION FLEX	0.19	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	-
BLUEEVOLUTION 82	0.19	0.23	0.21	0.19	0.19	0.18	0.17	0.15	0.14	-
BLUEEVOLUTION 92	0.18	0.21	0.21	0.19	0.18	0.17	0.16	0.15	0.13	-
EVOLUTIONDRIVE 82	0.23	0.25	0.23	0.23	0.21	0.21	0.19	0.18	0.17	-
EKOSUN 70	0.23	0.23	0.23	0.21	0.19	0.19	0.17	0.16	-	-
EKOSUN 6	0.21	0.23	0.21	0.21	0.19	0.18	0.17	0.16	0.14	-
EKOSUN 6 NL	0.25	0.25	0.23	0.21	0.21	0.19	0.18	0.17	0.16	-
EKOSUN 7	0.19	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	-
EKOSUN HST	0.23	0.25	0.23	0.23	0.21	0.21	0.19	0.18	0.17	-
S 9000	0.18	0.21	0.21	0.19	0.18	0.17	0.16	0.15	0.13	-
S 8000	0.21	0.23	0.21	0.21	0.19	0.18	0.17	0.16	0.15	-
Gealan HST	0.26	0.26	0.25	0.25	0.23	0.21	0.21	0.19	0.19	-

All values have been presented for the basic structures of a given system with reference dimensions,
 i.e. 4ft x 4ft 10in for windows and 5ft x 7ft for sliding doors.
 U-factor values are presented as a weighted average.

U-Factor window, frame and glazing

U-factor (window)	With a Swisspacer spacer bar (thermal performance = 0.00528 BTU/h·ft ² ·°F)									
	U _f	U _g	0.19	0.18	0.16	0.14	0.12	0.11	0.09	0.07
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IDEAL 4000 NEW	0.23	0.21	0.21	0.19	0.18	0.17	0.16	-	-	
IDEAL 5000	0.21	0.21	0.19	0.19	0.18	0.17	0.15	-	-	
IDEAL 7000 NEW	0.19	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.12	
IDEAL 8000	0.18	0.19	0.19	0.18	0.17	0.15	0.14	0.13	0.12	
ENERGETO 8000	0.17	0.19	0.19	0.17	0.16	0.15	0.14	0.13	0.11	
IDEAL 7000 NL	0.19	0.21	0.19	0.18	0.18	0.16	0.15	0.13	0.12	
IDEAL NEO - AD	0.21	0.21	0.19	0.19	0.18	0.17	0.15	0.14	0.13	
IDEAL NEO - MD	0.21	0.21	0.19	0.19	0.18	0.16	0.15	0.14	0.13	
ENERGETO NEO	0.19	0.21	0.19	0.18	0.18	0.16	0.15	0.13	0.12	
MONOBLOCK	0.25	0.23	0.21	0.19	0.19	1,02	0.17	-	-	
NORDLINE	0.26	0.23	0.21	0.19	0.19	0.17	0.16	-	-	
IDEAL 70	0.25	0.23	0.21	0.19	0.19	0.17	0.16	-	-	
4000 CASEMENT	0.23	0.21	0.21	0.19	0.18	0.17	0.15	-	-	
EASY SLIDE	0.44	0.28	0.26	-	-	-	-	-	-	
MULTI SLIDE	0.37	0.28	0.26	0.25	0.25	-	-	-	-	
SMART SLIDE	0.25	0.23	0.21	0.19	0.19	0.17	0.16	0.15	-	
HST 85	0.25	0.23	0.23	0.21	0.21	0.19	0.18	0.17	0.16	
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EKOSUN 6 NL	0.25	0.23	0.21	0.19	0.19	0.18	0.16	0.15	0.14	
EKOSUN 7	0.19	0.21	0.19	0.18	0.17	0.16	0.15	0.13	0.12	
EKOSUN HST	0.23	0.23	0.21	0.21	0.19	0.18	0.17	0.16	0.15	
S 9000	0.18	0.19	0.19	0.18	0.17	0.15	0.14	0.13	0.12	
S 8000	0.21	0.21	0.19	0.19	0.18	0.16	0.15	0.14	0.13	
Gealan HST	0.26	0.25	0.23	0.21	0.21	0.20	0.19	0.18	0.17	

All values have been presented for the basic structures of a given system with reference dimensions,
 i.e. 4ft x 4ft 10in for windows and 5ft x 7ft for sliding doors.
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ALUPLAST SYSTEMS

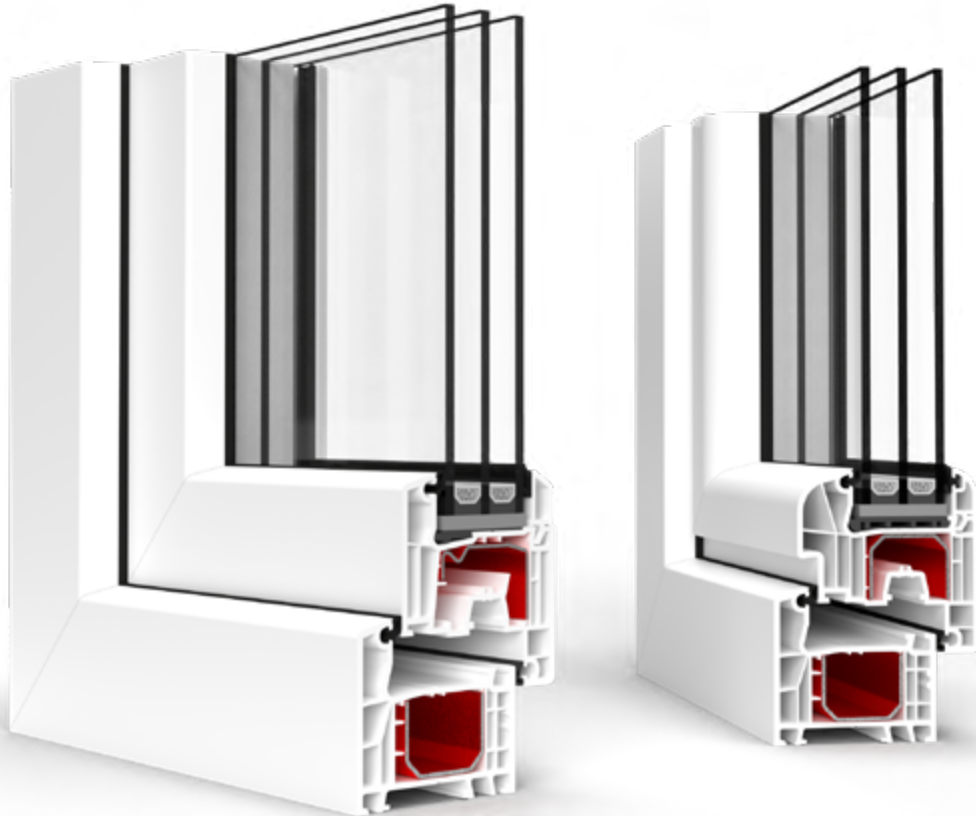


IDEAL 4000	10
IDEAL 4000 NEW	12
IDEAL 5000	14
IDEAL 7000 NEW	16
IDEAL 7000 NL	18
IDEAL 8000	20
ENERGETO 8000	22
IDEAL NEO AD	24
IDEAL NEO MD	26
ENERGETO NEO	28
MONOBLOCK	30
NORDLINE	32
IDEAL 70	34
IDEAL 4000 CASEMENT	36
EASY SLIDE	38
MULTI SLIDE	40
SMART SLIDE	42
HST 70	44
HST 85	46



ENERGY ONE

WINDOW AND DOOR SYSTEM



0.18

U-Factor(window)
glazing only = 0.12
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

2 3/4

construction depth
(inches)

R

renovation

A

aluminium cover



glazing with packages
up to a width of 1 5/8"



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



standard blockade of incorrect
handle position (RU window)

ENERGY ONE

The Ideal 4000 system is a versatile solution that excels in both modern single-family and multi-family housing architecture, as well as renovation projects. Standard features of windows produced with the Ideal 4000 system include two anti-burglary catches on the sash and pivots designed to thwart unauthorized entry, with adjustable pressure for added security.

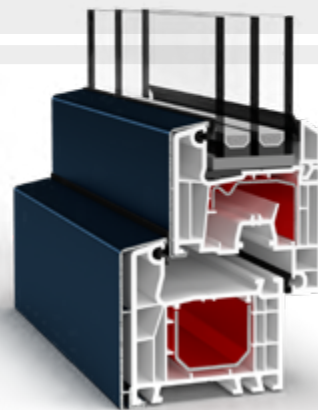
A crucial component of the fitting is the central clamp, automatically adjusting to the clearance. This not only ensures safety but also guarantees the tightness and smooth operation of window sashes. Additionally, all fittings for tilt-and-turn windows come with a standard lock to prevent handle misplacement. Another valuable feature is the micro-ventilation scissor, providing the option for slot ventilation.



Energy One variants



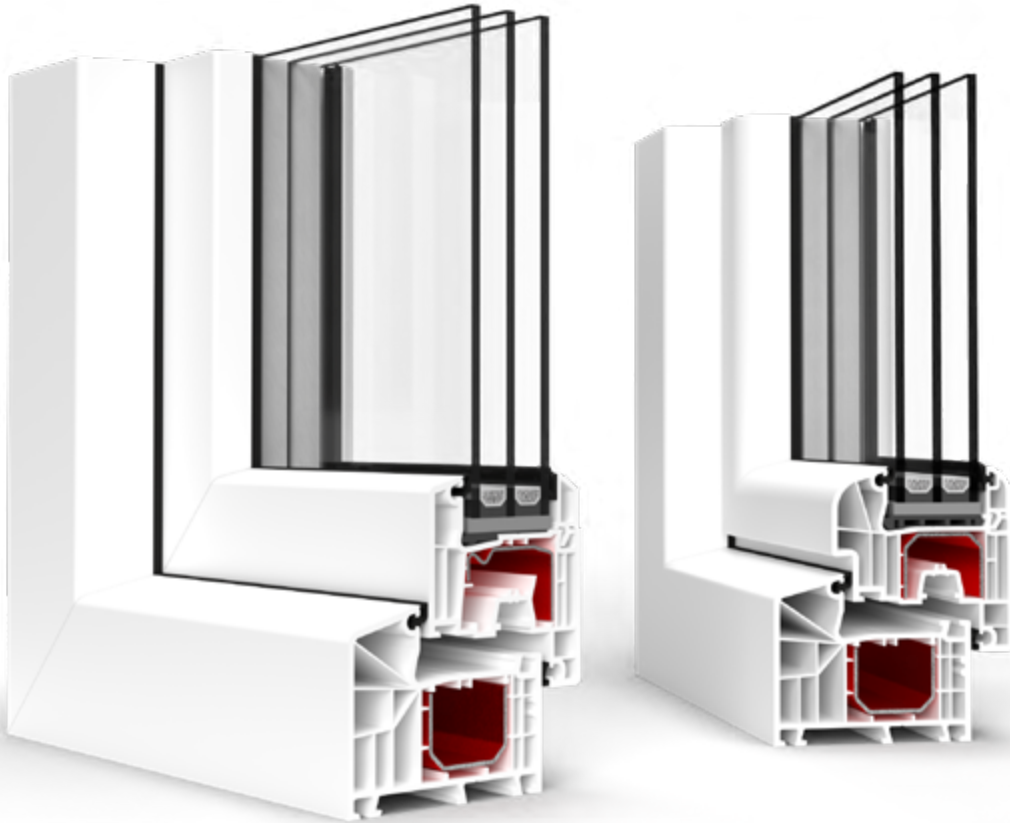
RENOVATION 2 9/16" | 1 9/16"



ALUMINIUM COVER

IDEAL 4000 NEW

WINDOW AND DOOR SYSTEM



0.17

U-Factor(window)
glazing only = 0.1

(Ultimate spacer bar)

2

gaskets

6

chambers (frame)

3 3/8

construction depth
(inches)



standard blockade of
incorrect handle position
(RU window)



available in a variant with a
straight or semi-flush sash



on a white and brown core

IDEAL 4000 NEW

The integration of the widely acclaimed six-chamber frame structure with the most popular solution has significantly enhanced the thermal insulation of our windows. Built on a foundation of proven and market-appreciated products, the Ideal 4000 profile series epitomizes a high standard that combines cutting-edge technology with superior living comfort.

With profile depths ranging from 2 3/4" - 3 3/8", the Ideal 4000 series achieves commendable thermal parameters, providing an economical yet comfortable living environment. Standard features of windows produced under the Ideal 4000 New system include two anti-burglary catches on the sash and pivots designed to prevent break-ins, complete with adjustable pressure for added security.

Setting us apart from other manufacturers, we include the micro-ventilation scissor as a standard feature. This unique element enables convenient slot ventilation, contributing to the overall functionality and versatility of our windows.

IDEAL 5000

WINDOW AND DOOR SYSTEM



0.17

U-Factor(window)
glazing only= 0.12
(Ultimate spacer bar)

3

gaskets

5

chambers (frame)

2 3/4

construction depth
(inches)

R

renovation

A

aluminium cover



The fittings in this system operate within a so-called 'dry chamber', a feature that significantly extends their service life.



available in a variant with a straight or semi-flush sash



optional hidden hinges

IDEAL 5000

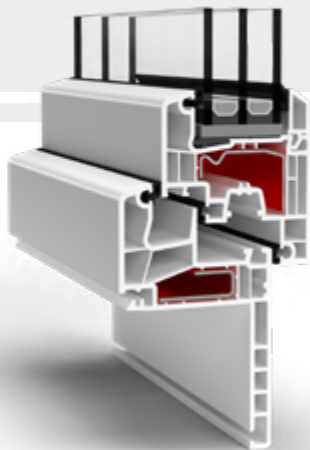
windows blending modern design with superior technical performance. This system is equipped with three gaskets, enhancing its water resistance and air permeability. Additionally, a version with a lower frame is available, increasing the glazed area and thereby allowing more natural light into every room.

Standardly, these windows come with a double-glazed unit. However, they can be upgraded to a triple-glazed unit, as the system accommodates 1 5/8" glazing. This upgrade significantly lowers the window's thermal transmittance, enhancing energy efficiency.

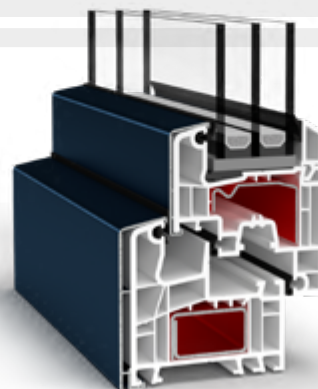
It's important to note that a lower coefficient correlates with greater savings on thermal energy bills. Therefore, we recommend opting for a warm spacer. Constructed from a complex composite material, this spacer not only improves the glass's insulation but also reduces the likelihood of temporary water vapor condensation.

IDEAL 5000

Ideal 5000 variants



RENOVATION 2 9/16" | 1 9/16"



ALUMINIUM COVER

IDEAL 7000 NEW

WINDOW AND DOOR SYSTEM



0.14

U-Factor(window)
glazing only= 0.09
(Ultimate spacer bar)

2

gaskets

6

chambers (frame)

3 3/8

construction depth
(inches)



open steel 1/16" thick as
standard



on a white and brown core



glazing with packages
up to 2 1/16" wide

IDEAL 7000 NEW

Modern architecture demands new standards in technical, functional, and aesthetic aspects. Windows based on the 7000 New system represent a novel approach to energy efficiency, marking a significant advancement in PVC window production. This innovation is made possible by the "powerdur inside" technology, which eliminates the need for steel reinforcement in the frame. Instead, it uses special thermoplastic inserts reinforced with Ultradur High Speed polymer. Removing steel from the frame also means eliminating thermal bridges, thereby enabling the achievement of even better thermal transmittance parameters for the sections.

With a profile depth of 3 3/8", this system offers considerable flexibility in choosing glazing packages. Opting for a window with a two-chamber glazing unit and a warm frame can result in a highly efficient U-factor of 0.14, enhancing the window's energy performance.

IDEAL 7000 NL

WINDOW AND DOOR SYSTEM



0.15

U-Factor(window)
glazing only= 0.11
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

4 3/4

Construction depth
(inches)



can be made
in HFL technology



Possibility to choose
BUVA threshold



standard blockage of
incorrect handle position
(RU window)

IDEAL 7000 NL

Developed for the Dutch market, the Ideal 7000 NL system offers two types of frames to accommodate different assembly methods.

This system can be constructed using the standard V-super weld method or the more innovative HFL (Horizontal Flush Line) profile joining technique. The HFL welding technology is unique in its joining method, connecting horizontal and vertical profiles at a 90-degree angle. This contrasts with the V-super and V-perfect welds, standard in other systems, which join profiles at a 45-degree angle. The HFL method alters the window's appearance, creating an effect that closely resembles wooden structures.

Ideal 7000 NL windows are available in a wide array of smooth and wood-like colors. We offer various veneering options: one-sided (either on the exterior or interior), double-sided, or in the duo-color formula, where the window features different colors on the inside and outside. These options ensure a harmonious façade appearance and enable the window's design to complement the interior décor seamlessly.

Energy Plus

WINDOW AND DOOR SYSTEM



0.13

U-Factor(window)
glazing only= 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3 3/8

construction depth
(inches)

A

aluminium cover



standard fitting with 5
anti-burglary points



recommended for passive
construction



glazing with packages
up to 2 1/16" wide

Energy Plus

The latest generation windows based on the Ideal 8000 system represent a choice for warmth, tranquility, and aesthetics. These windows provide top-notch thermal properties and acoustic insulation, ensuring a comfortable indoor environment.

Ideal 8000 system windows come equipped with advanced fittings featuring five anti-burglary points. These include special hooks and pins designed to thwart burglary attempts while simultaneously regulating the pressure for enhanced security.

Ideal 8000 stands as the warmest system in our Ideal product line, offering exceptional possibilities. Its installation depth accommodates glazing units up to 2" wide. For customers prioritizing a blend of highest quality, thermal, and acoustic comfort, we suggest upgrading to a wider, possibly four-pane package. This enhancement guarantees optimal conditions within the building.

Furthermore, the Ideal 8000 system sets benchmarks in performance, achieving the highest rating in air permeability and water resistance, ensuring robustness and reliability under various conditions.

Energy Plus variant



ALUMINIUM COVER

ENERGETO 8000

WINDOW AND DOOR SYSTEM



0.13

U-Factor(window)
glazing only= 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3 3/8

construction depth
(inches)

A

aluminium cover



possibility of using Maco
Multi-Power fittings



recommended for
energy-saving and passive
construction



Ultradur High Speed
reinforcement

ENERGETO 8000

The Energeto 8000 system represents a novel approach to energy efficiency in windows, driven by the innovative use of Ultradur High Speed technology. This technology enables the elimination of steel reinforcement from the frame, replacing it with special plastic inserts, altering the conventional framework of window construction.

In this system, the standard approach to glazing is reimagined. The glass is always glued to the window sash, with adhesive applied around the perimeter of the glass. This permanently attaches the glass to the sash, transforming the glass into a structural component of the window and enhancing its overall stability.

Windows based on the Energeto 8000 system are equipped with fittings that feature six locking points and are augmented with a lock to prevent incorrect handle positioning, ensuring both security and functionality.

The outstanding thermal properties of the Energeto 8000 are a defining feature, allowing for a U-factor below 0.13. This level of efficiency makes these windows an excellent choice for low-energy and passive houses, living up to the system's reputation for exceptional energy performance.

Energeto 8000 variant



ALUMINIUM COVER

IDEAL NEO AD

WINDOW AND DOOR SYSTEM



0.21

U-Factor(window)
glazing only= 0.19
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3

construction depth
(inches)



"bonding inside"
technology available



large glazing areas



glazing units from 7/8"
to 2 1/8" (standard)

IDEAL NEO

Ideal Neo presents a unique design characterized by simple structures, bold edges, and narrow window rebates, combining lightness with elegance. This system is versatile, suitable for both new constructions and renovation projects. Ideal Neo leverages innovative technologies to offer a modern, timeless appearance and an attractive design, fulfilling the preferences of customers who value such aesthetics.

An additional feature of Ideal Neo is the 'bonding inside' technology, which significantly enhances static parameters. By permanently bonding the pane to the sash, this technology reduces the likelihood of sash bending and warping, ensuring long-term window performance and user comfort.

Windows are increasingly important in interior design, and Ideal Neo responds to this trend with its ultra-modern design and appealing structures. The range includes various RAL colors and a decorative woodec structure that accurately mimics natural wood. With its excellent technical parameters and the option for a wood-like finish, Ideal Neo enables the full realization of your desired design aesthetics.

IDEAL NEO MD

WINDOW SYSTEM



0.21

U-Factor(window)
glazing only = 0.19
(Ultimate spacer bar)

3

gaskets

5-6

chambers

3

construction depth
(inches)



available core colours:
brown, anthracite, white



5 anti-burglary points
per sash



glazing with units
up to 2 1/8" wide

IDEAL NEO MD

The Ideal Neo MD system is an enhanced and more versatile version of the Energeto Neo system. It features a modern cubist-shaped profile that offers high thermal insulation. The system's lightweight construction allows for the creation of various forms, facilitating unique solutions and customization.

This system employs a classic center sealing technique using an extruded center rebate, enhancing burglary protection through the Safetec Inside technology. The gasket plays a crucial role in achieving a low U-value, leading to energy savings and improved thermal comfort.

A standout feature of the Ideal Neo MD window line is its exceptionally narrow frame and sash folding width, measuring only $4 \frac{5}{16}$ ". These sleek profiles lend an elegant appearance to the windows, and the narrow rebates enable the use of expansive glazing, aligning with current design trends. This window system is designed to maximize natural light within interiors, meeting the demands of modern architectural styles.

ENERGETO NEO

WINDOW SYSTEM



0.13

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers

3

construction depth
(inches)



aludec and woodec
structures available



recommended
for passive
construction



glazing with packages
from 1 7/16" to 1 7/8"
wide



ENERGETO NEO

The Energeto Neo system, tailored for passive construction, stands out for its innovative approach to thermal insulation. It achieves this by replacing the traditional steel core with a composite solution, effectively eliminating potential heat bridges. The incorporation of an additional central gasket further amplifies the thermal performance of the structure.

Energeto Neo surpasses similar systems in static parameters, owing to the integration of Powerdur Inside reinforcements and the Bonding Inside technique for gluing windows. Safetec Inside technology ensures enhanced anti-burglary security.

The system's profiles, with their simple, cubist forms, stylistically echo the look of aluminium windows, also evident in their facing. For added aesthetic appeal, these can be coated with woodec and aludec structures, which offer a tactile and visually pleasing finish, imitating the appearance of wood and aluminium, respectively.

MONOBLOCK

WINDOW AND DOOR SYSTEM



0.18

U-Factor(window)
glazing only = 0.12
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

6 3/8

construction depth
(inches)



possibility of combining the
frame with different types
of sashes (Classic-line or
Round-line)



frame depth 2 3/4", 4",
4 3/16", 5 9/16" or 6
3/8"



the possibility of using an
opening brake controlled
by a handle

MONOBLOCK

Windows designed for installation in the insulation layer are particularly suited to the French market. Monoblock windows cater to varying insulation thicknesses, as frames are available in several width variants.

As standard, Monoblock windows come with a double-glazed unit. However, to further reduce the U-factor, upgrading to a triple-glazed unit is advisable. Additionally, the use of warm spacer bars made of composite material is recommended. These bars enhance the glass's insulation and minimize the risk of temporary water vapor condensation.

These windows can also be equipped with various additional features for enhanced functionality and security, such as a brake in the handle, handles with a key, mosquito nets, and other accessories. For a more elegant aesthetic, we suggest adding bolections. While muntin bars are primarily decorative, they significantly enhance the window's appearance. Our range includes both internal bolections and glued bolections, with the choice of muntin bars being either placed between the glass panes or glued to the glass surface, depending on the selected type.

NORDLINE

WINDOW AND DOOR SYSTEM



0.17

U-Factor(window)
glazing only = 0.12
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

4 3/4

construction depth
(inches)



possibility of hidden
drainage



large glazing



the possibility of using
glazing with a width
of 3/8" to 1 5/8"

NORDLINE

The NordLine system is distinctively designed for the Scandinavian markets. Windows from this product line feature an extraordinary internal sill with a total depth of 4 3/4".

A key characteristic of windows based on the NordLine system is their opening mechanism. These windows can be configured to open either inwards or outwards, with the latter option being particularly well-suited to the construction style prevalent in Scandinavia.

Outward opening windows in this system offer superior tightness. When wind presses against the sashes, it further seals the windows, enhancing their insulating properties. An additional benefit of this design is the space-saving aspect, as it avoids any internal room obstructions.

In terms of construction, joining profiles in the NordLine system are executed using a V-super weld, and the core of the profile is always white, maintaining consistency and aesthetic appeal.

IDEAL 70

WINDOW AND DOOR SYSTEM



0.16

U-Factor(window)
glazing only = 0.11
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

2 3/4

construction depth
(inches)



the possibility of producing
windows that open both to
the outside and inside



full range of extensions and
connectors



the possibility of using
glazing with a width
of 3/8" to 1 5/8"



IDEAL 70

The outward opening window system, Ideal 70, distinguishes itself significantly from other offerings. Its profiles are welded using technology that aligns with the prevailing trends and standards in the US.

Ideal 70 is characterized by its harmonious shapes, robust construction, attractive design, and a guarantee of timeless elegance. The system accommodates glazing with packages up to 1 5/8" wide, enabling it to achieve impressive thermal values.

The system's appeal is further enhanced by various types of additional profiles, connectors, and extensions, offering significant versatility.

IDEAL 4000 CASEMENT

WINDOW AND DOOR SYSTEM



0.15

U-Factor(window)
glazing only = 0.11
(Ultimate spacer bar)

2

gaskets

5

chambers (frame)

2 3/4

construction depth
(inches)



profile adapted to the
requirements of the UK market



an ideal solution for both
residential and public buildings



the possibility of using
glazing with a width
of 3/8" to 1 5/8"

IDEAL 4000 CASEMENT

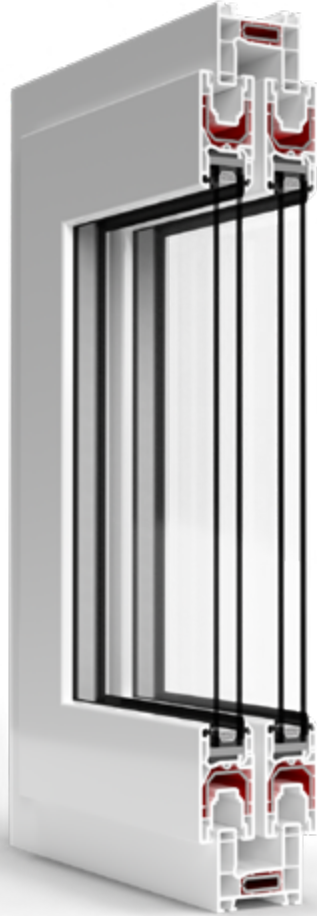
The system is specifically designed for the production of outward opening windows, which are particularly popular in Great Britain, Australia, and the USA. It is recommended for both residential and public utility buildings, with its classic appearance being well-received by customers due to the system's expansive design possibilities.

Windows based on the Ideal 4000 Casement system feature a uniform look both outside and inside, with simple shapes for both slats and profiles. The system's glazing bead securing mechanism ensures high security standards.

A wide range of additional profiles, connectors, and extensions available in the system allows for the creation of windows in various combinations, offering flexibility in design. Moreover, windows crafted from the Ideal 4000 Casement system boast excellent thermal properties, capable of achieving a U-factor below 0.16, thereby ensuring energy efficiency.

EASY SLIDE

SLIDING DOOR SYSTEM



0.26

U-Factor(window)
glazing only = 0.18
(Ultimate spacer bar)

2

amount of tracks
scrolling

2 3/8

construction depth
(inches)



system available in the
scheme: A, D



maximum construction
width 9' 4"



glazing with packets
from 3/16" to
13/16" wide

EASY SLIDE

The Easy Slide system offers a basic sliding door solution that forms a slender, aesthetically pleasing construction partition. In this system, doors can glide along two tracks. The trolleys are equipped with high-quality levelling pads specifically designed for PVC systems, side supports, and a support mechanism that relieves the rollers on the trolleys. These features are key to ensuring the trolleys' long-term functionality and preventing system blockages.

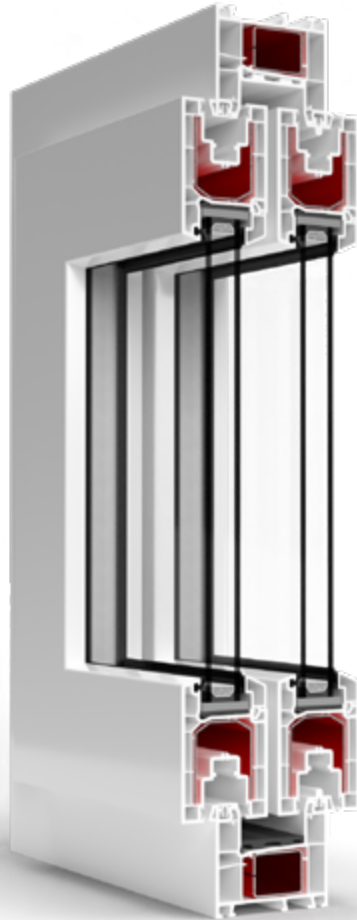
This system allows for glazing with packages up to 13/16" wide, accommodating a double-pane package in both the basic version and with safety glass.

Although the system incorporates steel reinforcements within the profiles, it's important to note that the design limitation is 132 lbs per sash. Brush seals are used at the points where the sashes contact the frame and between the sashes themselves to enhance the system's sealing.

A wide range of available colors in the Aluplast color palette allows for a varied and interesting appearance of the sliding doors. The Easy Slide system's flexibility in color choices means that doors can be tailored to suit specific aesthetic preferences and design requirements.

MULTI SLIDE

WINDOW AND DOOR SLIDING SYSTEM.



0.25

U-Factor(window)
glazing only = 0.9
(Ultimate spacer bar)

2-3

amount of tracks
scrolling

6 11/16

maximum
installation depth
(inches)



system available in the
scheme: A, An, C, D



maximum construction
width 11' 9"



glazing with
packets from 3/16"
to 1 5/16" wide

MULTI SLIDE

The Multi Slide system is an ideal economical solution for customers with small spaces. Sliding structures based on this system are particularly suited to areas where balcony windows with inward opening sashes are impractical due to limited room space.

This system allows for the creation of sliding doors with a maximum area of 78.04 sq ft. It employs a special frame profile that doubles as an additional track, facilitating the construction of a three-track structure. This design enables an effect akin to folding doors, where subsequent sashes, upon opening, glide over one of the extreme sections, forming a single, uninterrupted passageway.

To enhance sealing and smooth operation, the Multi Slide system incorporates brush seals at the points where the sashes meet the frame and between the sashes themselves.

SMART SLIDE

SLIDING DOOR SYSTEM



0.16

U-Factor(window)
glazing only = 0.11
(Ultimate spacer bar)

2

amount of tracks
scrolling

5 1/2

construction depth
(inches)



system available in the
scheme: A, C



one-sided or two-sided
handle to choose from



glazing with packages up
to 1 5/8"

SMART SLIDE

The Smart Slide system offers a sliding door with an innovative closing mechanism that provides simple and intuitive operation, akin to the functionality found in lift-slide doors. This system is particularly recommendable for clients looking to create larger structures. It allows for the construction of sashes measuring up to 4' 11" x 7' 6".

With an installation depth of 5 1/2" and the capability to accommodate glazing units up to 1 5/8" wide, doors based on the Smart Slide system are not only functional and suitable for large structures but also boast high thermal values.

Additionally, Smart Slide sliding doors can be fitted with air inlets for improved ventilation. We also offer a comprehensive range of smooth and wood-like veneers, enabling the doors to seamlessly integrate with any interior style or façade design.

HST 70

LIFT AND SLIDE DOOR SYSTEM



0.19

U-Factor(window)
glazing only = 0.12
(Ultimate spacer bar)

2

amount of tracks
scrolling

6 9/16

construction depth
(inches)



system available in the
scheme: A, C, D, G, K



the possibility of using a
motorized espagnolette



glazing with packages with
a width of 3/8" to 1 5/8"

HST 70

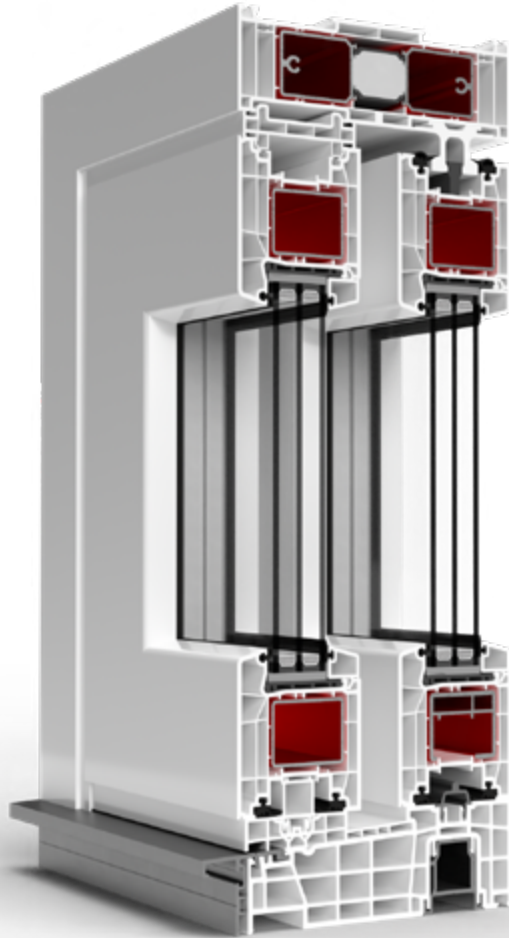
The HST 70 lift and slide door system is specifically designed for single-family housing. This type of door is highly functional, offering an attractive and affordable alternative to traditional balcony or terrace windows.

The system's solid profiles are reinforced with aluminum, enabling the construction of large structures. It allows for the creation of structures with dimensions of approximately 21' 11" x 8' 2" feet. Additionally, HST 70 can accommodate various opening patterns on two or three tracks, with wings reaching up to approximately 9' 10" x 8' 2".

The versatility of the HST 70 system is also enhanced by fittings from the renowned German supplier, G-U company. These fittings ensure smooth movement of the sashes, even in large and heavy structures. The guides are made of aluminum, and the robust trolleys, bolts, and handles are designed for long-lasting, trouble-free use. The fittings are protected against corrosion by a special coating, ensuring their longevity and durability.

HST 85

LIFT AND SLIDE DOOR SYSTEM



0.17

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

amount of tracks
scrolling

7 3/4

construction depth
(inches)

A

aluminium cover



system available in the
scheme: A, C, D



maximum sash
weight - 881 lbs



glazing with packages
with a width of 13/16" to
2 1/16"

HST 85

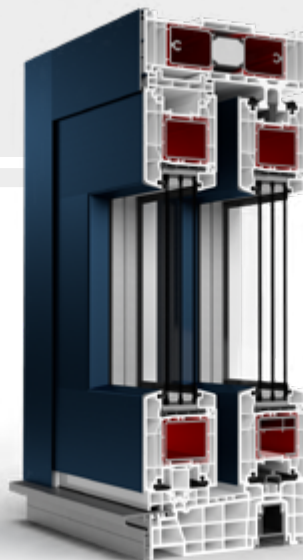
The lift and slide door system with high thermal properties is designed for constructing large-format glazing while maintaining optimal thermal insulation. This system is offered in three variants: Basic, Standard, and Premium, each featuring a distinct threshold design. The Premium version is particularly suitable for use in low-energy buildings.

To enhance the aesthetic finish in the Premium variant, the installation of Aluskin aluminum covers is possible. This feature is exclusively reserved for this sliding door system, adding a unique element to the design.

The profiles are available with a core in white, brown, cream, or anthracite, allowing for a consistent color match when using veneers. This versatility ensures that the profile color can be harmoniously integrated with the overall design scheme.

The HST 85 system is capable of supporting the construction of large-sized, glazed lift and slide doors. It can accommodate a maximum width of up to 21' 11" for the entire set, with the maximum permissible dimensions for the wings being 9' 10" x 8' 2". This allows for expansive and impressive glazing designs, suitable for modern architectural needs.

HST 85 variant



ALUMINIUM COVER

SALAMANDER SYSTEMS



GREENEVOLUTION FLEX	50
BLUEEVOLUTION 82	52
BLUEEVOLUTION 92	54
EVOLUTIONDRIVE 82	56



GREENEVOLUTION FLEX

WINDOW AND DOOR SYSTEM



0.14

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

5/6

chambers

3

construction depth
(inches)



glazing with packages
up to 1 7/8" wide



the system is available
in the flex variant



recommended
for passive construction

U-factor* - greenEvolution Flex3D / greenEvolution Flex 2D =0.15

GREENEVOLUTION FLEX

Windows and doors in this system are designed to offer the best in class parameters, seamlessly blending with timeless design. They come with standard triple glazing that includes two LOW-E layers, providing exceptionally high energy efficiency, indoor thermal comfort, and effective sound insulation.

The profiles for these windows and doors are crafted from materials free of phthalates and plasticizers, enhancing their strength, durability, and resistance to UV radiation. The GreenEvolution series is versatile, available in various styles such as tilt and turn, fixed, French, tilt, sliding, and awning options.

Each component of this system is thoughtfully engineered to optimize energy savings, enhance thermal efficiency, reduce noise, and aesthetically complement building facades. This system is versatile, suitable for both residential and commercial building applications, meeting a wide range of architectural needs.

Green Evolution Flex variants



RENOVATION A



RENOVATION B

BLUEVOLUTION 82

WINDOW AND DOOR SYSTEM.



0.14

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3 1/4

construction depth
(inches)

R

renovation

A

aluminium cover



standard hardware with 6
anti-theft points



standard blockade of
incorrect handle position (RU
windows)



glazing with packages
up to 2 1/16" wide

BLUEVOLUTION 82

The BluEvolution 82 system represents an optimal blend of innovative technology and top-tier thermal protection, making it ideal for energy-saving construction. Windows manufactured in this system come standard with a two-chamber warm glass package that boasts a U-factor of 0.09.

A significant benefit of this system lies in the profiles themselves. Not only are they made from high-quality PVC, but they also serve as excellent thermal insulators. This is largely due to the six-chamber structure of the profile and a triple sealing system. The installation depth of 3 1/4" accommodates glazing with packets up to 2 1/16" in width. Additionally, incorporating a warm spacer into the window can further enhance the thermal transmittance parameters, aligning them with those of energy-saving windows and reducing the likelihood of temporary water vapor condensation.

The profiles in the BluEvolution 82 system are crafted from the highest quality PVC, which endows them with a unique, shiny, snow-white color, adding to the aesthetic appeal of the windows.

Bluevolution 82 variants



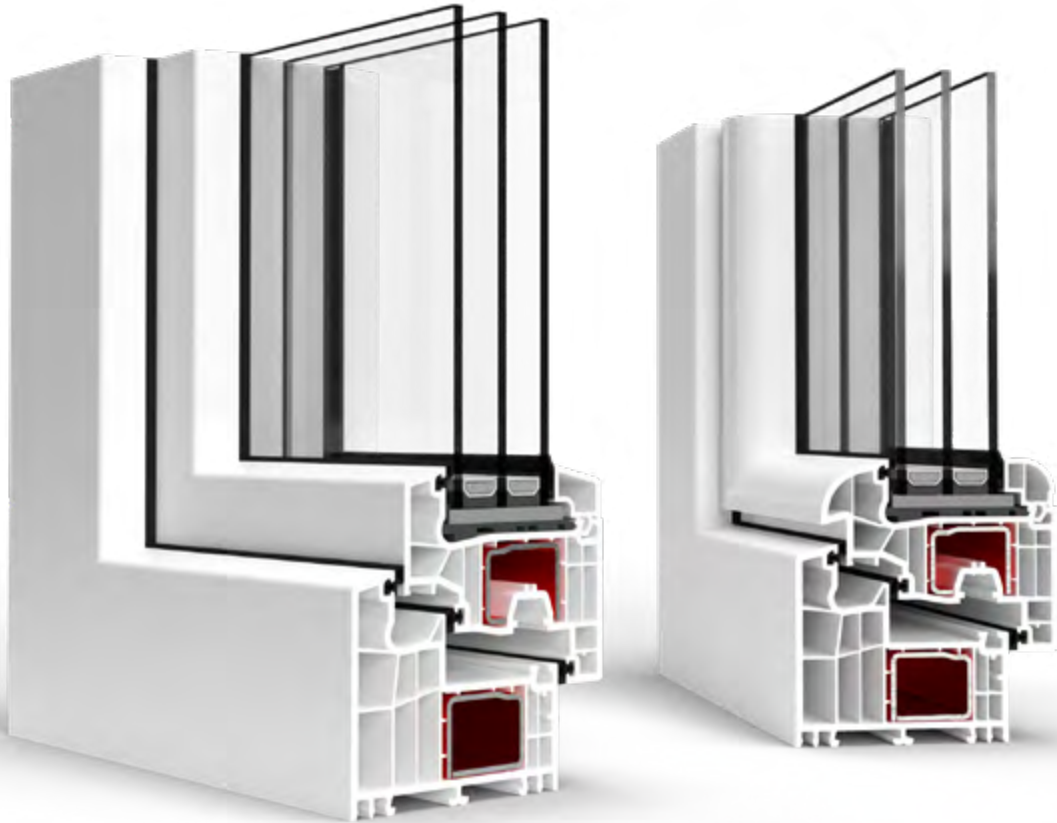
RENOVATION 2 3/8" | 1 3/8"



ALUMINIUM COVER

BLUEVOLUTION 92

WINDOW AND DOOR SYSTEM.



0.13

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3 5/8

construction depth
(inches)



standard fitting with
6 anti-burglary points



characteristic, extremely white
and shiny profiles



possibility of glazing with
four-pane packages



BLUEEVOLUTION 92

The BluEvolution 92 system epitomizes the highest energy efficiency, blending modern technologies with functionality and great design to produce top-class windows. A distinct feature of this system is the profiles' exceptionally snow-white color and gloss.

BluEvolution 92 windows come standard with some of the best thermal insulation features available. These include a two-chamber glazing unit, three gaskets, and a 3 5/8" deep profile, all contributing to very low heat transfer coefficients. This efficiency makes them a popular choice among investors seeking energy-saving joinery solutions.

These windows are based on profiles from a renowned German manufacturer, setting new standards in long-term durability and maintenance ease for the woodwork surface. Their unique, snow-white color and glossy finish, derived from high-quality PVC, ensure that the profiles are easy to clean and withstand various weather conditions.

The BluEvolution 92 profile is rated as a Class A profile, the highest in its class. It includes steel reinforcement to strengthen the structure, which is crucial in preventing deformation of frames and sashes, especially in large window configurations.

EVOLUTIONDRIVE 82

WINDOW AND DOOR SLIDING SYSTEM.



0.16

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

amount of tracks
scrolling

7 5/8

construction depth
(inches)



System available
in the diagram: A, C, K



structures up to
20' 11" wide



glazing with packages
up to 2 1/16"

EVOLUTIONDRIVE 82

The lift and slide door system offers the ability to produce large glazing while maintaining commendable thermal parameters. A notable feature of this system is the option to include a low threshold, making it suitable for "building without barriers" applications.

The EvolutionDrive 82 system features a door construction depth of 3 1/4", allowing for the integration of a wider glazing unit. This unit can achieve an impressively low U-factor, potentially as efficient as 0.07.

To fulfill the highest static requirements, the EvolutionDrive 82 lift and slide door incorporates a stepped reinforcement concept. This enhances the structural integrity and longevity of the doors.

In terms of aesthetics, this system offers a range of profile colors to ensure consistency with window systems within the same series. Options include standard white and snowy-white, characteristic of the Evolution series profiles, as well as brown and caramel. This variety allows for greater customization to match different architectural styles and preferences.

EKOSUN SYSTEMS

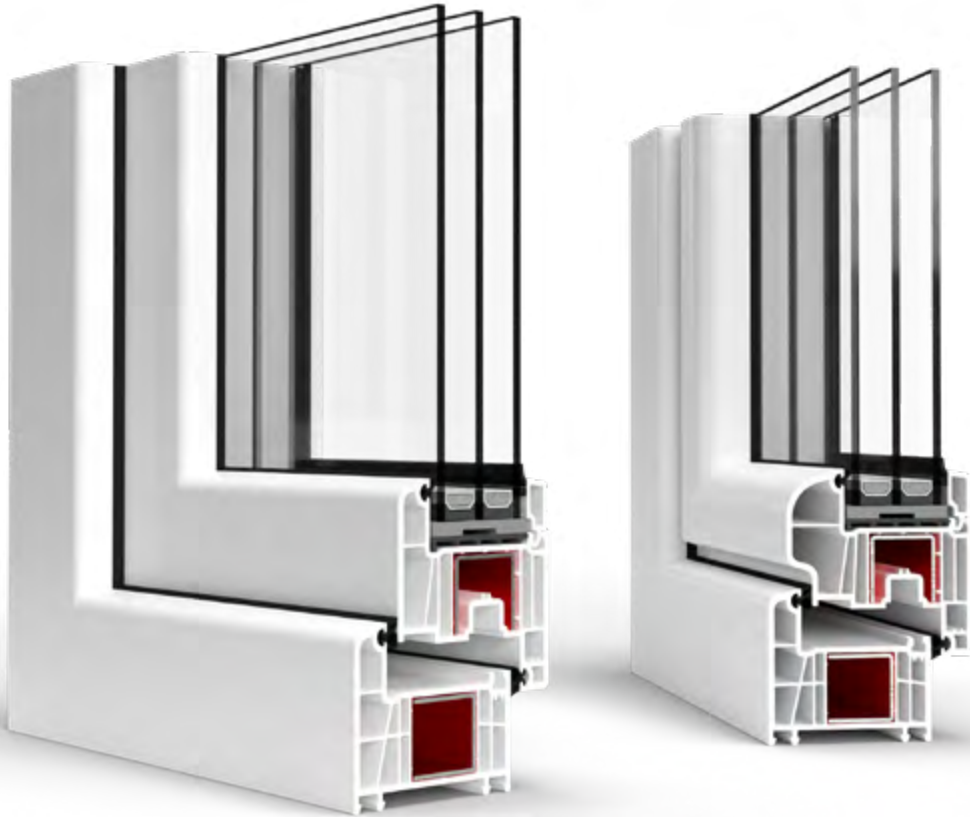


EKOSUN 70	60
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EKOSUN 70

WINDOW AND DOOR SYSTEM



0.17

U-Factor(window)
glazing only = 0.12
(Ultimate spacer bar)

2

gaskets

6

chambers (frame)

2 3/4

construction depth
(inches)

R

renovation



standard blockade of
incorrect handle position
(RU windows)



standard fitting with two
points anti-burglary points
per window sash



available in the variant with
Round-Line or Classic-Line
sash

EKOSUN 70

The system is developed from proven design solutions, catering to the needs of most customers by offering stability, rigidity, tightness, and good sound and thermal insulation. An effective barrier against heat loss from the interior is provided by the wide profile with a six-chamber structure.

The EkoSun 70 system profiles come in two variants, Soft-Line and Round-Line, offering great possibilities for arrangement. A wide range of smooth and wood-like colors is available, enhancing the aesthetic appeal. Windows in this system can be veneered on one side, both sides, or in the duo-color formula, allowing for a perfect match with both the façade and interior design.

Standard features of EkoSun 70 windows include two anti-burglary catches and pivots that are designed to prevent break ins, with adjustable pressure for enhanced security. These elements contribute to the optimal safety of the windows, ensuring peace of mind for the users.

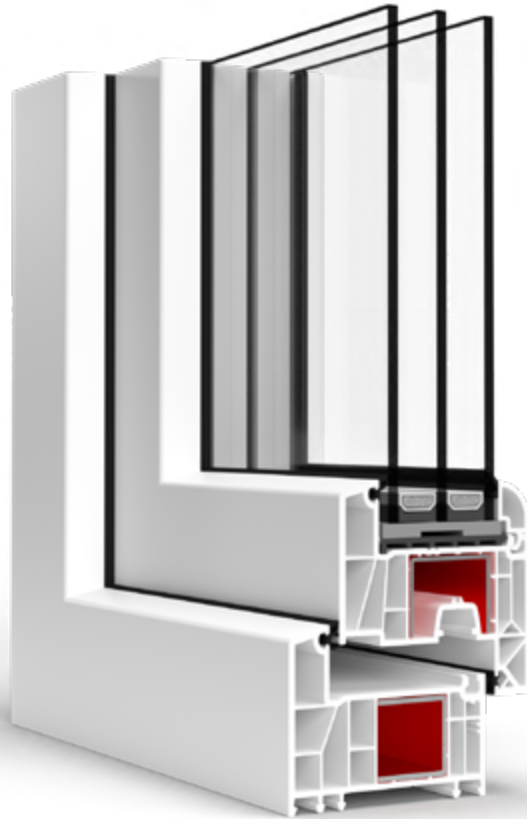
EkoSun 70 variant



RENOVATION 49 MM

EKOSUN 6

WINDOW AND DOOR SYSTEM



0.14

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

gaskets

6

chambers (frame)

3 3/16

construction depth
(inches)



available as a variant with
Soft-line sash



possibility of making windows
with a fixed or movable post



glazing with packages up
to 2 3/16" wide

EKOSUN 6

The EkoSun 6 system offers thermal and acoustic insulation at a very high level, ensuring thermal comfort and long-lasting durability. This system is particularly recommended for energy-saving construction due to its excellent value for money.

The aesthetic qualities of the EkoSun 6 windows are complemented by impressive technical parameters. The system boasts very good thermal properties and provides a wide range of design options. Its profiles have a depth of 3 3/16", accommodating glazing units up to 2 3/16" wide.

For optimal thermal insulation, it's advised to enhance the EkoSun 6 windows with a triple-pane package and a warm spacer. The warm frame, made from a complex insulating material, improves glass pane insulation and reduces the risk of temporary water vapor condensation. Additionally, warm frames ensure long-term tightness of the insulating glass units and maximize thermal energy savings by reducing the thermal bridge between the frame and rail.

To complete the product offering, we recommend selecting both hygroscopic and pressure ventilators to maintain proper ventilation in rooms. Diffusers are placed in the upper profile of the frame and sash, with milling cutters for their installation available at the production stage. This ensures a comprehensive solution for both insulation and ventilation needs.

EKOSUN 6 NL

WINDOW AND DOOR SYSTEM



0.25

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

gaskets

5-6

chambers (frame)

3 3/16

construction depth
(inches)



available with
a straight sash and classic
rebate as options



available with a fixed
or movable mullion
manufactured



glazing with units
up to 2 3/16"



EKOSUN 6 NL

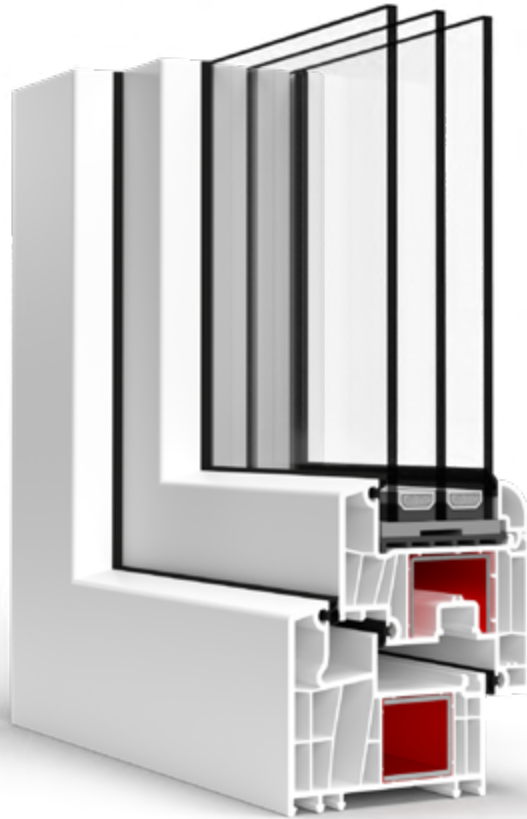
The EkoSun 6 NL system is designed to meet the demands of customers who seek innovative solutions, and was specifically developed for the Dutch market. It stands out due to its ability to provide outward-opening systems without the need for a reversing profile.

Additionally, the EkoSun 6 NL profile is available with an anthracite core, enabling the production of windows with dark veneers that maintain a consistent color scheme throughout. This feature adds to the aesthetic appeal of the windows.

EkoSun 6NL is highly recommended for energy-efficient construction, particularly in single-family housing. It offers excellent thermal and acoustic insulation, contributing significantly to indoor comfort. Beyond its functional benefits, this system is noted for its original and distinctive appearance. The EkoSun 6 NL windows and doors not only ensure thermal comfort but also promise durability for many years, making them a reliable choice for both new constructions and renovations.

EKOSUN 7

WINDOW AND DOOR SYSTEM



0.13

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

7

chambers (frame)

3 3/16

construction depth
(inches)

A

aluminium cover



optional "A" class profiles
available



fittings work in the so-called
dry chamber - which
increases their service life



glazing with packages
up to 2 3/16" wide

EKOSUN 7

For those seeking energy-efficient solutions at an affordable price, the EkoSun 7 system is an excellent recommendation. Particularly suited for passive construction, the system features a triple sealing mechanism combined with a seven-chamber frame that is 3 3/16" deep. This design makes the windows highly effective insulators.

The addition of a third gasket in this system not only improves functional properties but also extends the service life of the fittings by reducing their exposure to moisture. To further enhance these windows, it is advisable to include a triple-pane package and a warm spacer. This combination ensures that windows based on the EkoSun 7 profile offer a comprehensive solution for customers seeking the best in window technology.

EkoSun 7 excels in both functionality and aesthetics. Standard features include two anti-burglary catches and anti-burglary pins with adjustable pressure, providing optimal protection. Additionally, the safety of use is further assured by a lock that prevents incorrect handle positioning. This feature is installed as standard in tilt and turn windows of the EkoSun 7 system, ensuring security and peace of mind for users.

EkoSun 7 variant



ALUMINIUM COVER

EKOSUN HST

WINDOW AND DOOR SLIDING SYSTEM



0.16

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

amount of tracks
scrolling

73/4

construction depth
(inches)



system available in the
scheme: A



maximum sash
weight - 881 lbs



maximum width
of structure 21' 11"



EKOSUN HST

The EkoSun HST system offers lift and slide doors known for their incredible comfort and the ability to create spacious, glass structures. Its low profile not only ensures an abundant supply of light but also provides top-level water resistance. The inclusion of a low threshold makes the EkoSun HST system suitable for "construction without barriers," enhancing accessibility.

In designing the EkoSun HST system, special attention was given to differentiating it from other products in the market. Its low profile contributes to better interior lighting, while the unique design of the EkoSun HST threshold and the gaskets used ensures adequate tightness.

The EkoSun HST system boasts very good static properties. The rigidity of the profile allows for the creation of wings up to 21' 11" wide, accommodating various design needs. Additionally, the system can support heavy loads, up to 881 lbs, making it capable of using glazing units up to 2 3/16" thick. These units are known for their excellent thermal insulation parameters, making EkoSun HST an ideal choice for energy-efficient and aesthetically pleasing architectural solutions.

GEALAN SYSTEMS

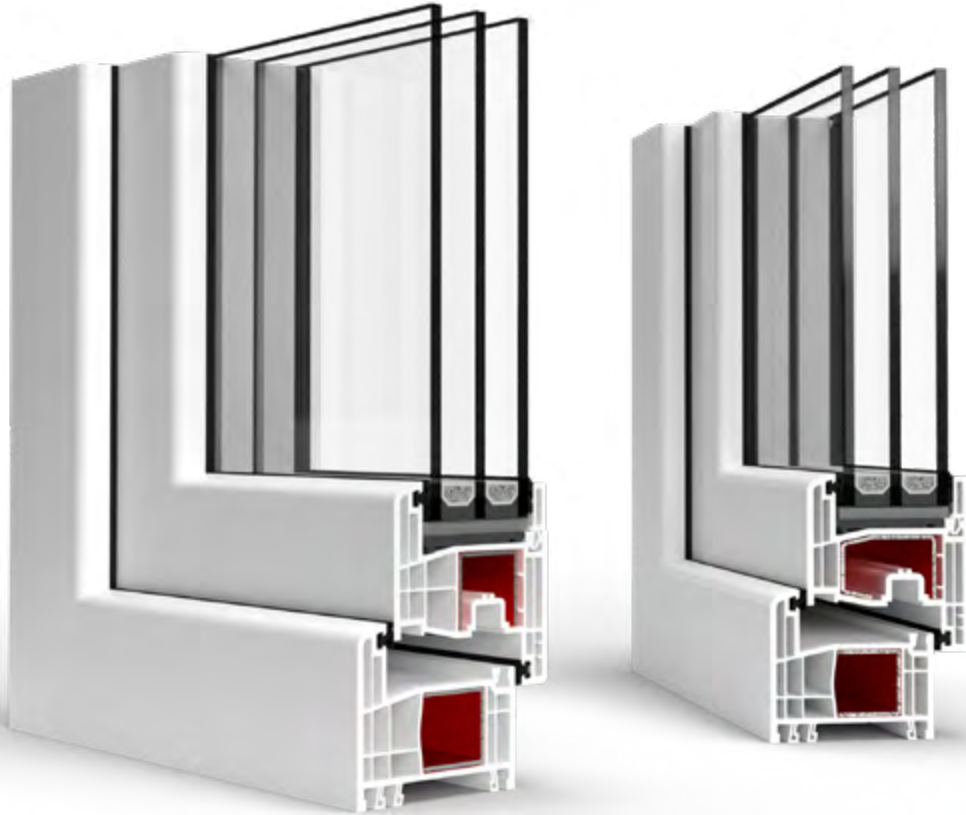


S 9000	72
S 8000	74
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S 8000

WINDOW AND DOOR SYSTEM



0.14

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

gaskets

5/6

chambers (frame)

3

construction depth
(inches)

R

renovation



glazing with STV
technology (only in
windows)



the possibility of using a
movable post



5 anti-burglary points per
sash as standard

S 8000

The S8000 profile system is designed to align with current market needs, featuring a retaining seal and a profile depth of 3". A standout aspect of the S8000 is its optimized profile geometry, which is mindful of material usage. This design approach not only conserves natural resources but also supports environmental sustainability, a crucial consideration in today's world.

The primary objective behind the creation of the S8000 system centers on ensuring tight windows, efficiency, and maximum user comfort. These elements are skillfully integrated within the S8000 system, offering one of the tightest window solutions in the market.

Another distinctive attribute of the S8000 system is its production process, which utilizes materials in a manner that safeguards natural resources and the environment. This eco-friendly approach is increasingly vital in contemporary manufacturing practices.

The S8000 system allows for the same steel reinforcements to be used in the construction of the frame, sash, and post, showcasing its design efficiency. Additionally, it includes profiles with either a 5- or 6-chamber structure, providing flexibility in catering to different structural and insulation requirements.

S 8000 variants



MONOBLOCK



RENOVATION 2 9/16" | 1 3/8"

S 9000

WINDOW AND DOOR SYSTEM



0.13

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

3

gaskets

6

chambers (frame)

3 1/4

construction depth
(inches)

R

renovation



glazing with STV
technology (only in
windows)



the possibility of using a
movable post



6 anti-burglary points per
sash as standard

S 9000

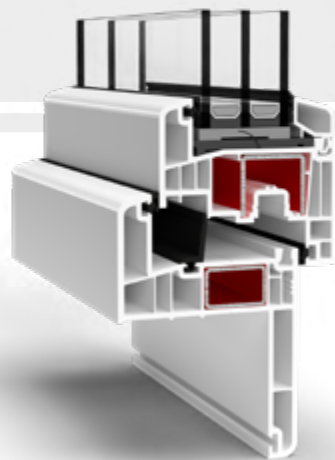
The S 9000 system stands out with its superior statics, allowing for the construction of large structures without the need for crossbars. This system utilizes STV technology for glazing and offers profile coloring through the acrylcolor process, highlighting some of its unique features.

A key aspect of the security in the S 9000 system is its inclusion of six anti-burglary points in the windows. Additionally, it incorporates a blockade mechanism for the incorrect positioning of the handle, enhancing safety and security.

STV technology, exclusive to this system, significantly improves the statics of the entire structure by pasting the glass panes. This glazing process and the potential for glass replacement are simpler compared to standard windows, offering ease of maintenance and repair.

The S 9000 system employs V-Perfect technology for welding. This advanced technique ensures a precisely finished woodwork appearance, as the joining points of the profiles become practically invisible. This results in a clean, seamless look, which is a significant aesthetic advantage for customers seeking high-quality, visually appealing windows.

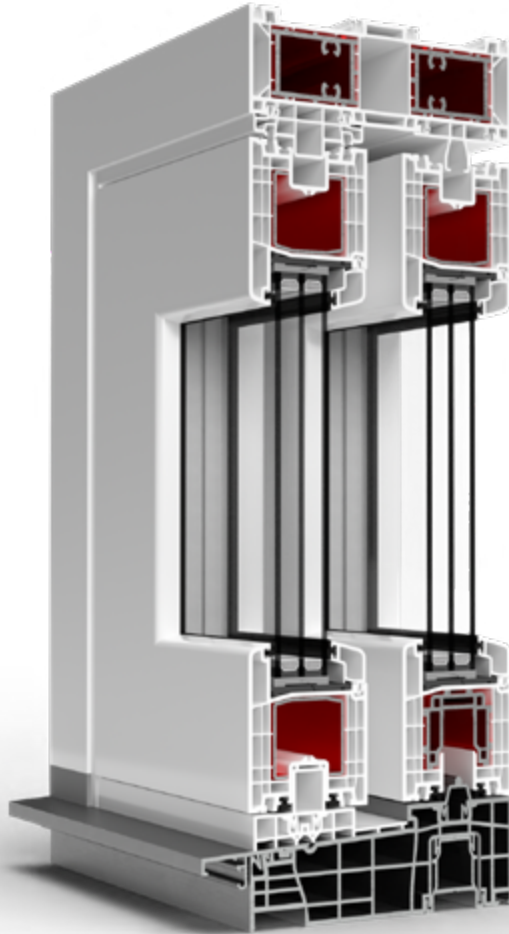
S 9000 variants



RENOVATION 65 MM | 35 MM

GEALAN HST

WINDOW AND DOOR SLIDING SYSTEM



0.18

U-Factor(window)
glazing only = 0.09
(Ultimate spacer bar)

2

amount of tracks
scrolling

7 1/2

installation depth
(inches)



system available in the
scheme: A



the possibility of coloring
the surface of profiles with
the acrylicolor technology



glazing with packages
up to 2 1/16"

GEALAN HST

Gealan lift and slide doors are adept at creating extensive glazing for various structures, as this system accommodates triple-pane packages with widths of up to 2 1/16".

The HST system, based on the S 9000 platform, fulfills both the technical and visual requirements of the latest generation sliding systems. Its exceptional design allows for the easy movement of large elements by the user, and its expansive glazing effectively illuminates interiors, providing ample light whether the door is closed or open.

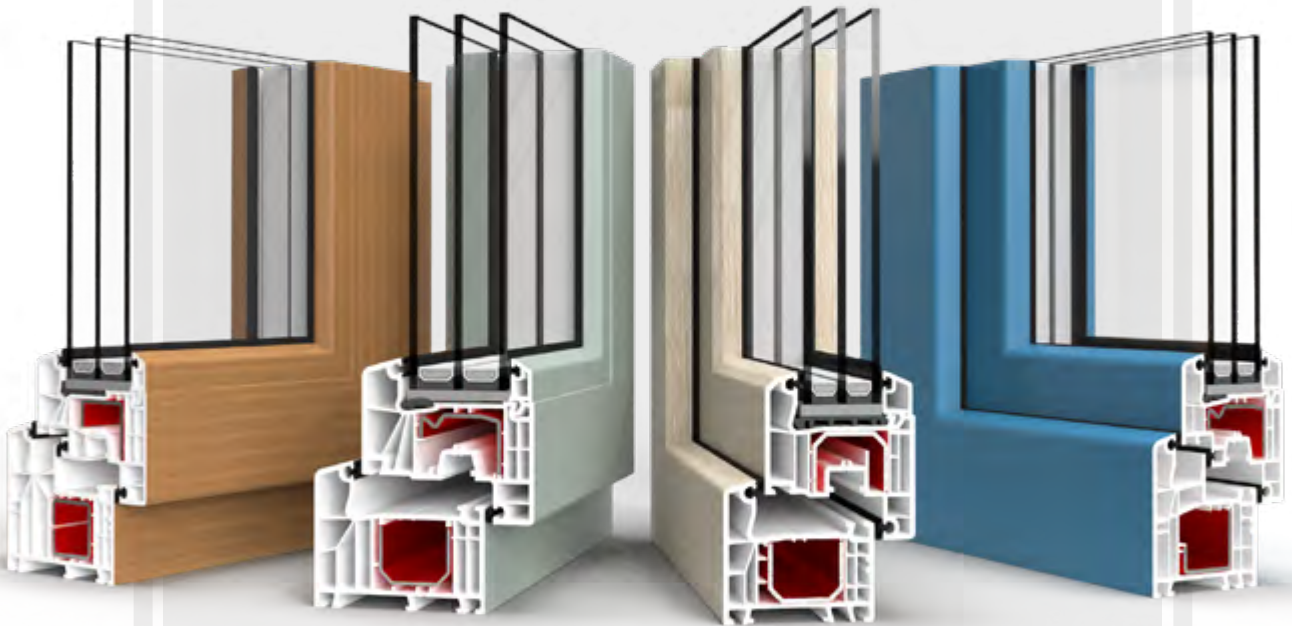
A unique aspect of this lift and slide door system is the acrylicolor technology. During the extrusion process, the PVC profile is permanently fused with colored acrylic glass. This results in a coating that not only has an elegant and smooth structure but is also resistant to weather conditions, ensuring durability and aesthetic appeal.

The U-factor in this system is designed to ensure very good thermal conditions inside the room, contributing to the system's overall energy efficiency and comfort. This makes the Gealan lift and slide doors an excellent choice for those seeking a balance of functionality, aesthetics, and thermal performance.

COLORING

Windows are increasingly being recognized as a decorative element that enhances the aesthetic appeal of both the exterior and interior of buildings. A fundamental approach to achieving this is through the selection of the color and structure of the veneer. We offer a diverse range of colors in both smooth and wood-like veneers, catering to various design preferences.

Additionally, our profiles are available with a satin surface, created using acrylcolor technology. This technology provides a distinctive finish that not only adds to the visual appeal of the windows but also contributes to their durability and weather resistance. The extensive color options and the unique surface finishes available allow for significant customization, enabling windows to become a key feature in the overall design of a building.





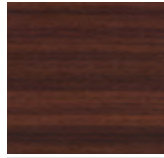
ALUPLAST



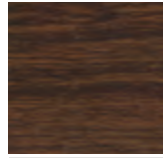
AP 01



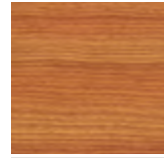
AP 02



AP 05



AP 06



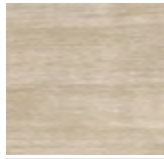
AP 11



AP 15



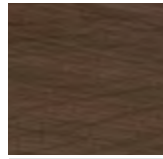
AP 19



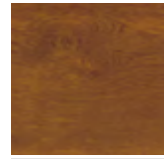
AP 20



AP 21



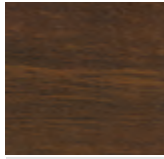
AP 22



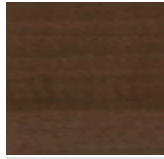
AP 23



AP 25



AP 27



AP 28



AP 29



AP 30



AP 32



AP 34



AP 40



AP 41



AP 43



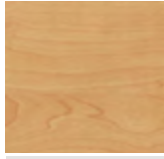
AP 44



AP 47



AP 50



AP 52



AP 60



AP 61



AP 62



AP 63



AP 65



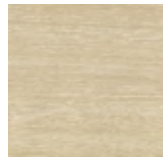
AP 70



AP 71



AP 72



AP 75



AP 79



AP 88



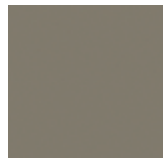
AP 94



AP 95



AP 102



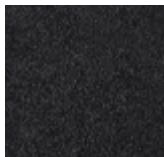
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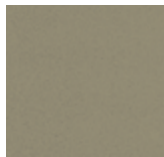
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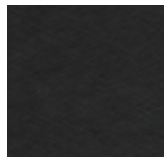
AP 105



AP 106



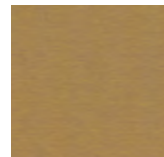
AP 107



AP 108



AP 109



AP 110



AP 111



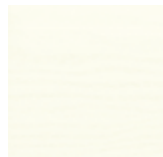
AP 112



AP 113



AP 115



AP 116

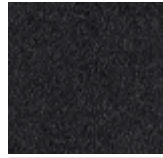
SALAMANDER



SAL 03



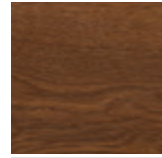
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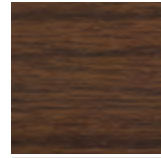
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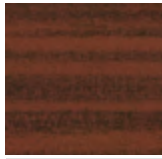
SAL 19



SAL 21



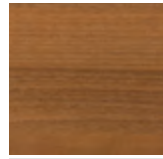
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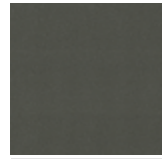
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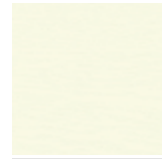
SAL 27



SAL 33



SAL 37



SAL 39



SAL 41



SAL 42



SAL 43



SAL 50



SAL 51



SAL 52



SAL 55



SAL 59



SAL 67



SAL 69



SAL 71



SAL 72



SAL 73



SAL 74



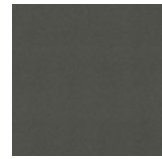
SAL 78



SAL 84



SAL 87



SAL 88



SAL 90



SAL 92



SAL 93



SAL 94



SAL 98



SAL 107



SAL 108



SAL 109



SAL 110



SAL 111



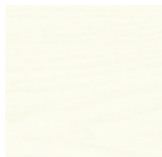
SAL 112



SAL 113



SAL 115



SAL 116

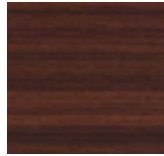
EKOSUN



AP 01



AP 02



AP 05



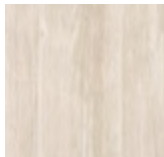
AP 06



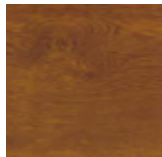
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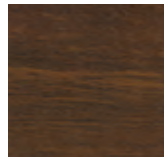
AP 19



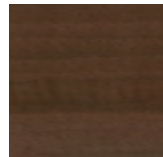
AP 20



AP 23



AP 27



AP 28



AP 29



AP 30



AP 32



AP 33



AP 34



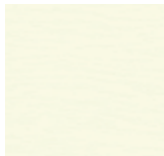
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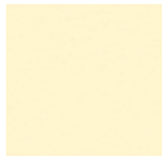
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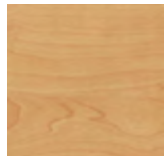
AP 43



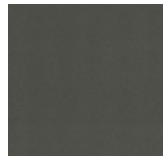
AP 44



AP 50



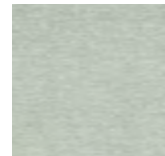
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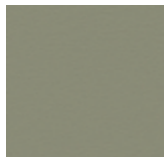
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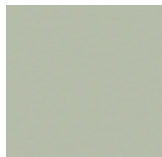
AP 61



AP 63



AP 70



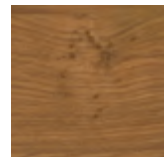
AP 71



AP 72



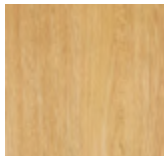
AP 88



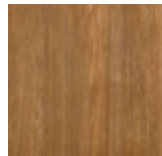
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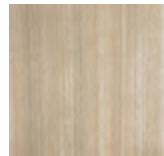
AP 106



DO 118

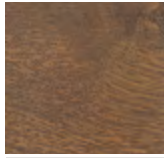


DO 119



DO 120

GEALAN



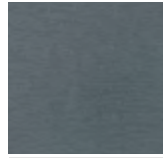
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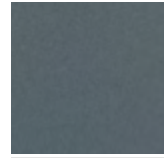
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GEA 03



GEA 04



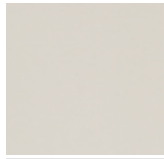
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GEA 08



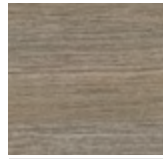
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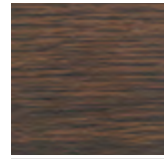
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GEA 12



GEA 13



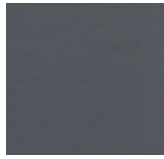
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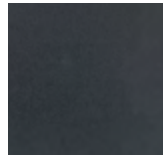
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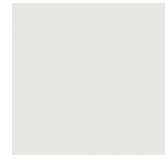
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GEA 22



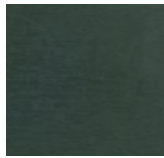
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GEA 24



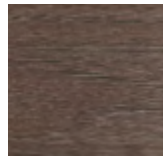
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GEA 27



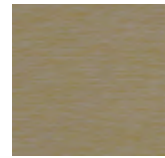
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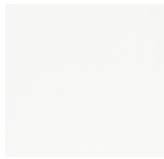
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GEA 31



GEA 32



GEA 34



GEA 35



GEA 37



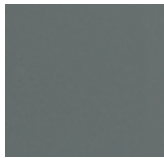
GEA 40



GEA 41



GEA 42

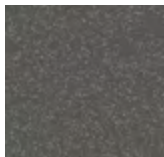


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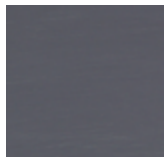


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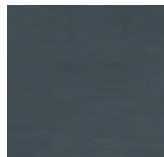
ACRYLCOLOR



DB 703



RAL 7015



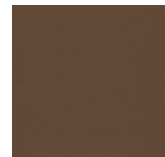
RAL 7016



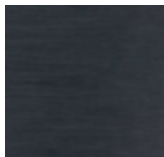
RAL 7039



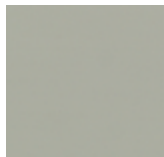
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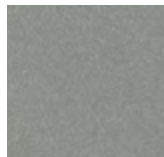
RAL 8014



RAL 9005



RAL 9016



SILVER



ADDITIONS

WINDOWPANES

When selecting a glazing package, the choice often boils down to the number of panes, impacting their energy efficiency. However, our range extends far beyond this basic criterion. We provide a variety of specialized glass panes, including energy-saving, sound-absorbing, safe, anti-burglary, and anti-dazzle options. Additionally, our collection features a broad selection of ornamental glass, available in several dozen designs to suit diverse aesthetic preferences.

Typically, the space between panes in our glazing units is filled with 90% argon, enhancing their insulating properties. We also offer krypton-filled glass, enabling the achievement of an impressively low U-factor of up to 0.05. The ability to combine different types of glass and vary the number of panes allows for customization to achieve the desired parameters for each type of windows and doors in our range. This flexibility ensures that our products can meet a wide array of functional and aesthetic requirements, catering to the specific needs of diverse construction projects.

Below is a summary of the basic types of insulating glass with a description of their functions:



1-chamber glazing packages

Single-chamber, double glazing composed of two glass panes. Standard for basic window and door systems.



2-Double-chamber glazing

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.



Sound-absorbing

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



Secure

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



Solar control

Panes that reduce the flow of light and solar energy into the room. They are offered with selective, absorbent or reflective glass.



Fireproof

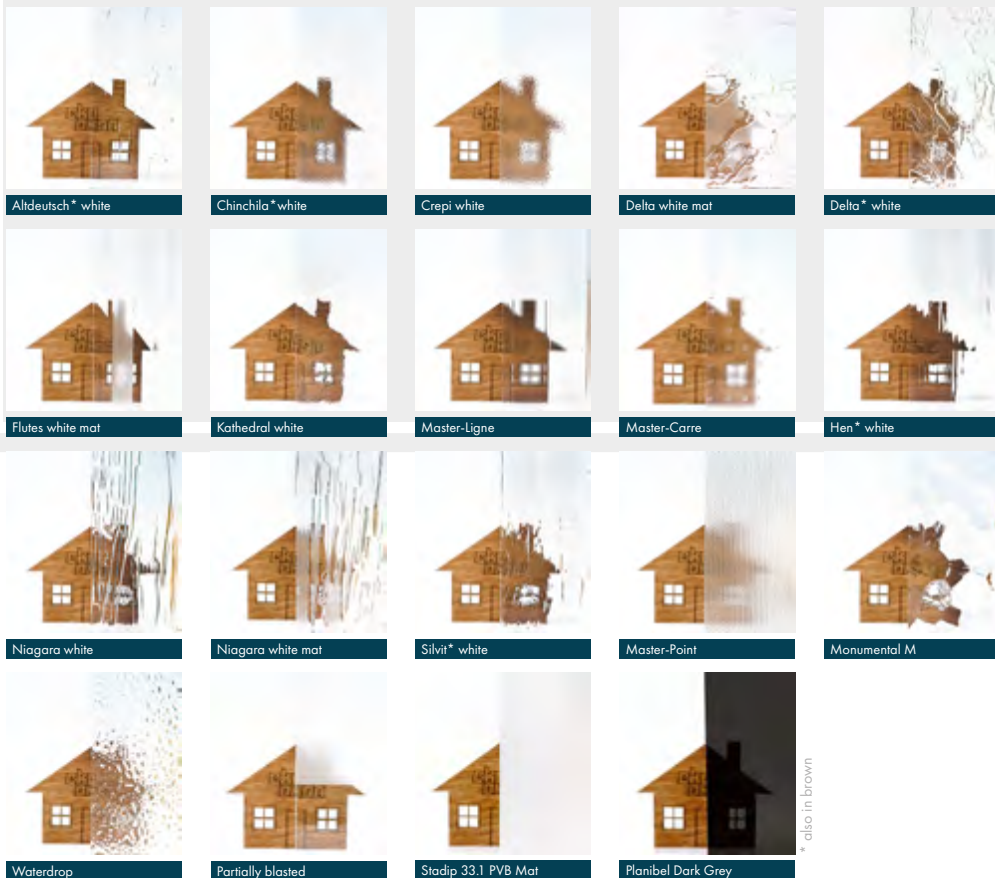
Single windowpanes, single or double glazed units with fire resistance.

DECORATIVE WINDOWPANES

Insulating glass combined with decorative glass is an excellent option for windows, doors, and partitions. These decorative panes are suitable for various settings, including homes, offices, shops, hotels, and restaurants.

Depending on the selected pattern, decorative glass can serve multiple purposes. It can enhance privacy while simultaneously brightening the interior, making spaces appear larger and more open, which is an additional benefit.

Beyond standard glass with a matte finish, our range also includes ornamental glass available in a variety of patterns. These options allow for greater customization and can contribute to the aesthetic appeal and functionality of a space, catering to different design preferences and needs.



MUNTIN BARS

Muntin bars lend an elegant and unique character to windows and, in some cases, serve as an essential decorative element that harks back to traditional architectural styles. Our selection includes various options. Our offer includes both glazing bolections, glued on the glass, and Viennese bolections (duplex). Each offered type is available in several widths and many colors.

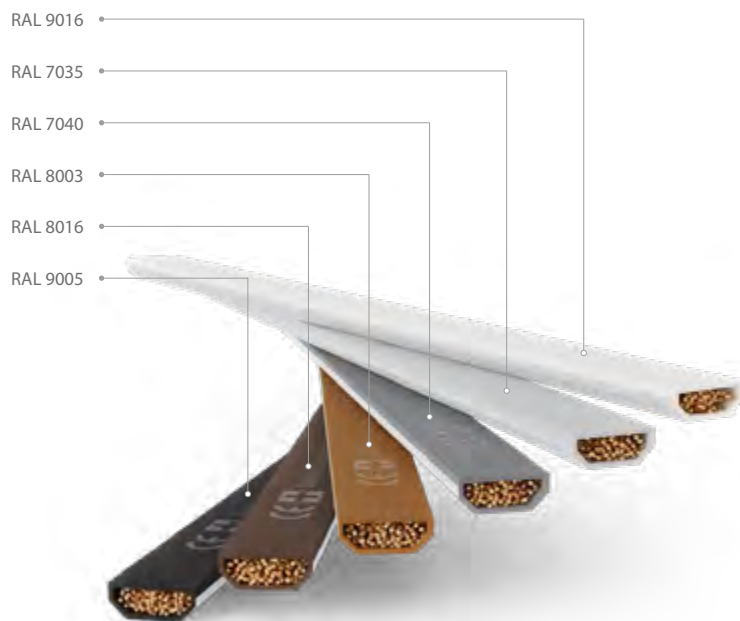


SPACER BARS SWISSPACER ULTIMATE

In addition to the standard aluminum frame, we also offer one of the best warm spacer bars available globally.

With the Swisspacer Ultimate spacer bar, the Ψ (Psi) factor is as low as $0.03 \text{ W/m}^2\text{K}$, which is approximately $0.00528 \text{ BTU/hr ft}^2 \text{ }^\circ\text{F}$. This low value of the coefficient not only reduces the potential for water vapor condensation at the edge of the glass but also significantly lowers the overall thermal transmittance coefficient of the entire window.

These frames are available in several colors from the RAL palette, providing options to match various aesthetic preferences and design requirements.



PVC SYSTEM WINDOW SILLS

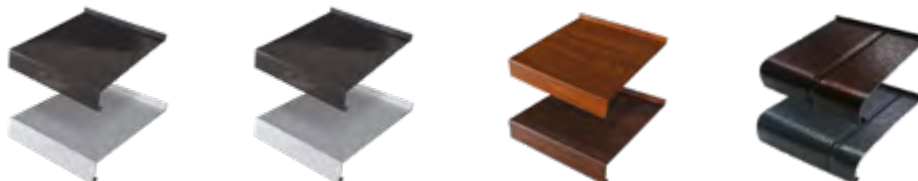
System window sills are designed to blend aesthetics with the highest quality. They feature smooth surfaces that are not only easy to clean but are also resistant to bumps and scratches, ensuring durability and maintaining their appearance over time.

Window sills are available in various variants and colors, providing options to harmonize with the color scheme of the ordered joinery.



EXTERNAL WINDOW SILLS

You have the option to select window sills made of aluminum or steel. These materials are known for their very good quality and resilience to various weather conditions. Both aluminum and steel window sills are aesthetic and durable. They are non-flammable and resistant to moisture and chemicals, ensuring longevity and maintaining their appearance over time. Additionally, these window sills are equipped with drip caps, offering ideal protection for the façade.



INTERNAL CHAMBER WINDOW SILLS

These window sills are crafted from hard polyvinyl chloride (PVC), the same material used in the production of PVC windows and doors. They are coated with a foil that is highly resistant to scratching and UV rays, enhancing their durability and ability to maintain their appearance over time. The chamber structure of these window sills ensures the rigidity and stability of the construction. This design feature contributes to their longevity and functionality. Additionally, these window sills are available in a variety of colors



WINDOW AIR VENTS

Ventilators are designed to ensure constant access to fresh air inside a room while also facilitating the removal of moisture. This system provides a convenient way to ventilate spaces without the need to open windows, which is particularly beneficial during winter months. The diffusers are typically mounted in the shaft rebate, on the upper frame and sash profiles, or under the seal.

Our range of diffusers includes various air supply control methods, such as hygroscopic, pressure, and manual controls. This variety allows for customization based on specific needs and preferences, ensuring optimal ventilation for different environments.



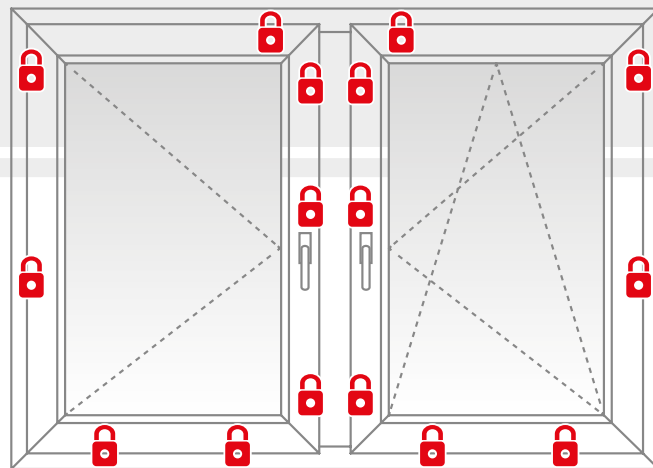
ANTI-THEFT FITTINGS

For clients who prioritize safety for themselves and their loved ones, we assure that selecting a PVC window from one of our systems will always provide a satisfactory level of security comfort.

Depending on the chosen system, our standard offerings include 2 to 5 safety points. The placement of special plugs and hooks at strategic locations significantly impedes forced entry during burglary attempts, enhancing the overall security of the door.

For those seeking even higher levels of safety, we offer fittings with increased durability, characterized by a greater number of safety points. This option is ideal for clients who desire an extra layer of security.

To maximize window safety, we also recommend opting for handles with a blockade function in the closed position and choosing glued, safe glass. These options contribute to creating a robust barrier against potential intruders, providing an additional level of protection and peace of mind.



The number of anti-burglary points depends on the structure and dimensions of the window.

DOOR HANDLES

HANDLE **ALU**



HANDLE **KWADRO**



HANDLE **NEW YORK**



HANDLE **DUBLIN/DUBLIN DE LUXE**



HANDLE TBT **1005A**



HANDLE **HAMBURG**



HANDLE **MOONLINE**



HANDLE **VICTORY**



HANDLE **TOULON**



HANDLE **OVERTURE LOCK**



HANDLE **LUXEMBOURG**



HANDLE **ATLANTA**



HANDLE **PLUTON**



HANDLE **JOWISZ**



HANDLE **INOX 1200**



HANDLE **NEW YORK**



The availability of a given handle model depends on the selected window system.

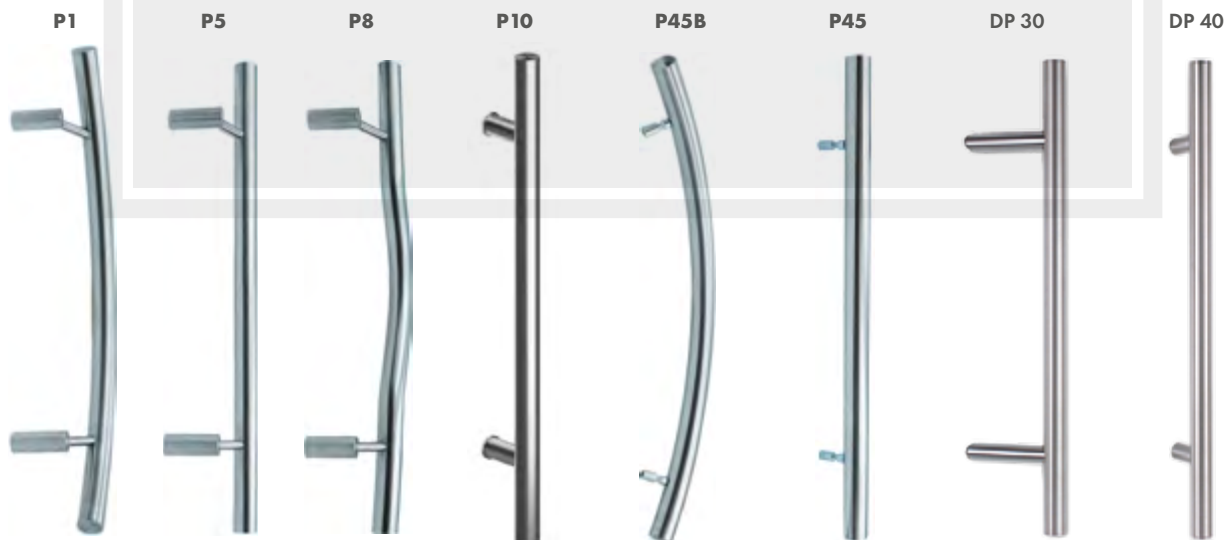
HANDLES AND HANDRAILS

Our range is highly regarded for its diverse patterns, colors, functionality of handles, and anti-burglary features.

Beyond standard window handles, we provide options that include a button or key to block the window from being opened, enhancing security. Additionally, our extensive selection of shapes and colors allows for easy customization to complement the appearance of your chosen joinery.

Our door handle offerings encompass both standard plate handles and separated plate (handle-cylinder) styles. We provide elegant and modern handles for external doors, available in various shapes and lengths to suit different aesthetic preferences and functional requirements.

Furthermore, our catalog includes options like the handle-pull, designed to limit access to the building from the outside. This feature adds an extra layer of security, making it a suitable choice for clients seeking to enhance the safety of their premises.





A hand holding a pen is visible on the left side of the image, pointing towards a dark square. The square is centered and contains the text 'MORE PRODUCTS IN OUR OFFER'. The background consists of horizontal blinds, with light filtering through them, creating a pattern of light and shadow. The overall composition is clean and professional.

**MORE PRODUCTS
IN OUR OFFER**

EXTERNAL DOORS

Our door offerings are characterized by modern design, a wide range of colors, and a plethora of accessories. We utilize the highest quality materials in the production of our entrance doors to ensure both safety and comfort of use. Depending on their intended function, these doors can be fully glazed or equipped with decorative panels, which are available in both flat and embossed styles.

We have several door collections on offer. One notable collection features doors with EkoVitre glass panels. In this series, regardless of the chosen pattern, the panels are equipped with laminated glass for added security and durability. All designs are meticulously matched to the dimensions of the ordered joinery.

The EkoLine series door panels are distinguished by their high thermal insulation parameters, primarily due to the XPS foam filling in the middle part. The surface of these panels, depending on the chosen type, can be either flat or embossed. Our extensive range of patterns also includes glazing with unique shapes created by our designers. Additionally, there is an option to create a pattern according to your own design, allowing for a high level of personalization and uniqueness in door aesthetics.

[See more](#)



SECTIONAL GARAGE DOORS

Sectional doors from our range are versatile, suitable for both private homes and industrial facilities.

We standardly provide sectional doors that are safe, original in design, and aesthetically finished. The variety of accessories available ensures that each customer can find a product that meets their specific expectations. When equipped with electric drives, these doors can integrate seamlessly into a smart home system, offering convenience and advanced functionality.

Our selection includes gates with tension springs, as well as torsion springs located either at the rear or the front. This variety allows for flexibility in installation, making it easier to choose a door that fits the height of the lintel or the depth of the garage, thereby avoiding common installation issues. This adaptability ensures that our sectional doors can accommodate a wide range of architectural and spatial requirements.



ALL IN ONE DESIGN

The "All in One Design" product line not only simplifies the process of selecting joinery but also ensures a cohesive and harmonious appearance of windows, doors, gates, and roller shutters. This line represents the certainty of complete technological compatibility and convenience, notably through the ability to order all joinery elements from a single manufacturer. We offer "All in One Design" solutions in both PVC and aluminum, tailoring our products to meet the specific needs of our customers.

Our prepared compositions include options that are more subdued, ideal for traditional construction, as well as those that stand out with unique colors and decorations, making them perfect for modern architecture. The naming of individual compositions after Italian cities is intentional, reflecting the Italian reputation for a deep appreciation of art and fashion, and an extraordinary sense of aesthetics. This approach imbues our products with a sense of style and elegance that is emblematic of Italian design.




FENCES

A fence is more than just a means of ensuring safety and privacy; it is a significant addition to a house, often considered the final touch to the investment of building a home. Our range includes high-quality, complete fencing solutions - including spans, gates, and wickets, available in about a dozen original designs, each meticulously detailed. The spans can be designed in either a classic, simple style or a more complex shape to suit different aesthetic preferences.

We offer fences in three distinct styles: Standard, Elegance, and Prestige. This variety enables customers to easily find a fence that perfectly complements their surroundings. Additionally, our fences are available in any color from our extensive palette, providing even more customization options. An added benefit is the possibility of creating a custom design, tailored to the specific topography of the property.

Regardless of the chosen design or shape, all our fences share a common attribute: solid craftsmanship. We provide fences made of galvanized steel and aluminum, materials known for their excellent corrosion resistance, ensuring durability and long-lasting aesthetic appeal.

A modern living room with large windows and a grey sofa. The room features a dark wood coffee table, a grey sofa with cushions, and a large window overlooking a cityscape. The ceiling has exposed beams and a modern light fixture. The floor is made of wide-plank wood.

ALUMINIUM WINDOWS

When selecting suppliers, we place the utmost importance on the quality of components, which is why we collaborate exclusively with the best branded suppliers. Our aluminum structures are based on systems from Aluprof, Aliplast, and Decalu, enabling us to offer a comprehensive range of solutions in aluminum joinery.

Our product range extends beyond windows to include doors, sliding doors, lift and slide doors, partition walls, and fireproof partitions. We provide our clients with a variety of choices for each element. Our offerings include warm systems, ideal for energy-saving or passive houses, as well as options more suited for installations that don't require high thermal insulation, such as display windows and partition walls. For added convenience, our sliding systems can be equipped with motors.

We finish our aluminum joinery according to the RAL and DECORAL color palettes, offering a wide array of color choices. Additionally, for anodized aluminum, we provide different color options, allowing for further customization to meet specific aesthetic preferences and architectural requirements.

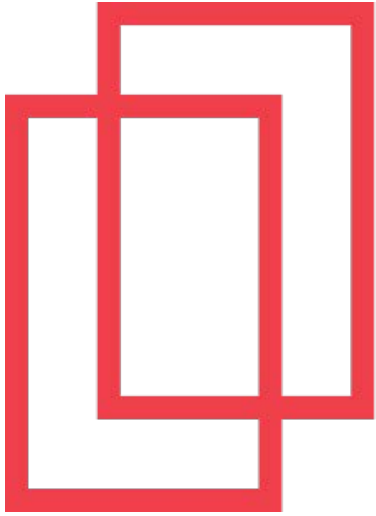


WOODEN WINDOWS

Naturo joinery is crafted from a variety of wood types, including Kalzing pine, Kalzing spruce, solid pine, solid spruce, meranti, larch, and oak. Regardless of the chosen wood type, each piece is meticulously selected and bonded from 3 or 4 layers with an alternating arrangement of rings. This construction method ensures the stability and durability of the structure. Our wooden joinery offerings encompass both windows and doors.

To meet the specific requirements of our clients and complement the interior and facade arrangement, we offer a range of accessories that highlight the natural beauty of the wood.

As optional features, we provide several types of bolections, antique fittings, Retro glazing beads, and decorative handles. Additionally, we offer drip caps with enhanced durability and an aesthetically pleasing wooden finish, ensuring both functionality and elegance in our joinery products.



Dual Action Windows

This publication is not a commercial offer. You cannot form the basis of a complaint.
The photographs shown are for illustrative purposes only and are not actual photographs of the products.

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