



Perfect AL is a leading manufacturer of aluminum solutions for residential and commercial use. We offer a wide range of aluminum windows and doors, aluminum sliding and facades systems, winter gardens and more.



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About the company



The company Perfect-AL continues to actively grow and consistently uphold the high quality of its solutions in the field of aluminum glazing.

We owe our achievements to our entire team, which is constantly striving for excellence in manufacturing, design, innovation, and focus on the real needs of our clients.

Our cooperation with renowned architectural bureaus allows us to implement even the most ambitious projects to life: from grand transparent office structures to modern, energy-efficient residential complexes. Safety, durability, visual appeal, comfort... our structural systems combine all of these qualities.

We always help our clients find the optimal technical solution-one that is precisely tailored to their needs.

We move forward with you at every step and help turn your ideas into reality!

We love what we do!





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04

Aluminum Fixed Windows

MasterLine 8

R | REYNAERS
aluminium

The high-quality aluminium window series offers reliable performance, versatile design options, and a wide range of functional applications. Enjoy excellent results, even in the toughest weather conditions:

- Our flagship window system with a strong pedigree
- Ultimate combination of performance and aesthetics
- Clean look tailored to your needs



Thermal Insulation

Passive

$U_f = 1.3 \text{ W/m}^2\text{K}$

$U_w = 0.89 \text{ W/m}^2\text{K}$

Air-Water-Wind

Extreme

4 / E900 / C5

Acoustics

High

$R_w(C;Ctr) = TuTi: 46(-1;-3)$

dB DC: 44(-2;-4) dB



System Dimensions

Min. Frame-Vent

Width 97 mm

Depth Frame 77 mm

System limitation

Max. Height Vent - 2800 mm

Max. Weight Vent - 200 kg

Aluminum Windows

 **PERFECT-AL**
Aluminum Glazing Expert



05

ConceptSystem 77

R | REYNAERS
aluminium

ConceptSystem 77 is a trusted window solution that has been fully optimised to match all your project needs. This versatile aluminium system offers a complete range of variants and options, at a very competitive price-performance ratio:

- Versatile window solution to match any project needs
- Well-balanced price-performance-features mix
- Reliable windows that last a lifetime

Thermal Insulation

High

$U_f = 1.8 \text{ W/m}^2\text{K}$

$U_w = 1.3 \text{ W/m}^2\text{K}$

Air-Water-Wind

High

4 / E900 / C5

Acoustics

Medium

$R_w(C;Ctr) = 42(-2; -4) \text{ dB}$



System Dimensions

Min. Frame-Vent

Width 89 mm

Depth Frame 68 mm

System limitation

Max. Height Vent - 2800 mm

Max. Weight Vent - 170 kg

Aluminum Windows

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TH68 – THS68



Asistal TH68 – THS68 aluminium profiles are modern systems designed for creating stylish and reliable window and door structures. They combine refined aesthetics with everyday durability, offering clean lines, solid construction quality, and a contemporary look. These profiles are suitable for a wide range of architectural solutions, allowing the creation of elegant, functional designs that enhance both comfort and visual appeal.

FRAME DEPTH	68 mm
WING DEPTH	75 mm
SYSTEM WALL THICKNESS	1.8 mm
HEAT BARRIER	24 mm
GLASS THICKNESS	10 – 51 mm
HEAT PERMEABILITY COUNT UF	2.79 W/m ² K

TH78 – THS78



Asistal TH78 – THS78 aluminium profiles are advanced systems crafted for high-quality window and door constructions. They offer a refined, modern appearance combined with reliable performance and long-lasting durability. Thanks to their well-designed structure, these profiles support elegant architectural solutions and ensure a sleek, contemporary aesthetic suitable for both residential and commercial projects.

FRAME WIDTH	78 mm
WING WIDTH	81 mm
SYSTEM WALL THICKNESS	1.8 mm
HEAT BARRIER	34 mm
GLASS THICKNESS	26 – 45 mm



07

Aluminum Casement Windows (inward/outward opening)

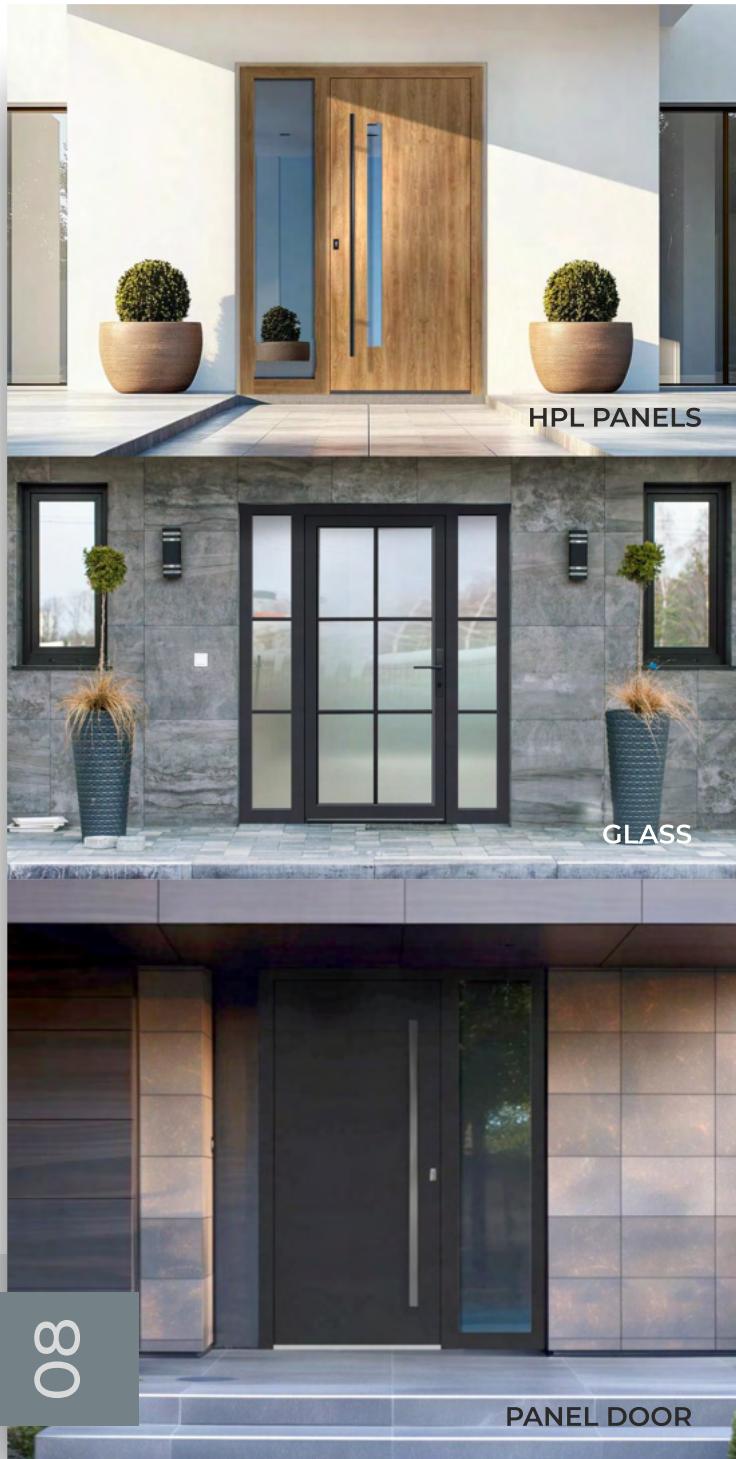
Check the available aluminum profiles on pages 04 - 06.

*Aluminum casement windows outward opening are available with Reynaers MasterLine 8 and Reynaers ConceptSystem 77 .



Aluminum Windows

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ENTRY DOORS

DOOR FILLINGS:

- HPL Panels
- Glass
- Panel Door

Door Handle Types



Lift-To-Lock Handle



Pull & Lift-Lever Handle Set



Pull Handle

Door Lock Types



Single-Point Mortise Lock



Multi-Point Door Lock



Electromechanical Locks

Check the available aluminum profiles on pages 04 - 06.

Aluminum Doors



69

Patio / Sliding Doors

SL 28

ASISTAL
Aluminium Profiles Company

Asistal SL 28 aluminium profiles are lightweight sliding systems designed for smooth, effortless operation and modern visual appeal. Their clean, streamlined design allows for elegant architectural solutions, making them ideal for creating functional and aesthetically pleasing sliding doors and partitions. These profiles enhance interior and exterior spaces with a minimalist, contemporary look.



CASE DEPTH	45mm - 76 mm - 81 mm - 95 mm
SASH DEPTH	28 mm without glazing bead
SASH SYSTEM WALL THICKNESS	1,2 mm
GLASS THICKNESS4	22 mm
SASH CARRYING CAPACITY	120 kg

Aluminum Doors

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SlimPatio 68

SlimPatio 68 is our highly insulated, ultra-slim sliding system that takes comfort and style to the next level. Thanks to their minimalistic design, the premium sliding windows ensure maximum daylight entrance and optimal panoramic views:

- Small sightlines for maximised daylight entrance
- Large variety of configurations, including open corner and pocket doors
- Ideal for renovation in moderate climates

Thermal Insulation

$U_w = 1.4 \text{ W/m}^2\text{K}$

Air-Water-Wind

Medium

4 / 8A / C4

Acoustics

High

$R_w(C;Ctr) = 40(-2;-4) \text{ dB}$



Height Vent

Max 3000 mm

Width Vent

Max 2300 mm

Max Weight

Vent = 250 kg

Fixed = 250 kg



F

MasterPatio

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aluminium

MasterPatio is the aluminium sliding system of choice for all our partners and customers. Superior insulation and recycled components make this premium aluminium solution an ideal sustainability upgrade for any building project:

- The next generation of high-performing sliding systems
- Clean, consistent and contemporary look for a complete façade solution
- Easy to operate and safe system

Thermal Insulation

$U_w = 0.8 \text{ W/m}^2\text{K}$

Air-Water-Wind

Extreme
4 / E1200 / C5

Acoustics

Extreme
 $R_w(C;Ctr) = 44(-1;-4) \text{ dB}$



Height Vent

Max 3600 mm

Width Vent

Max 3000 mm

Max Weight

Vent = 600 kg

Aluminum Sliding Systems

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LS 60

Asistal LS60 aluminium profiles are refined sliding system components designed to deliver smooth movement and a clean, contemporary appearance. Their elegant and minimalist design makes them ideal for creating stylish sliding doors that enhance both comfort and visual harmony. These profiles integrate seamlessly into modern architectural concepts, offering a balanced combination of functionality and aesthetics.

THERMAL LIFT & SLIDE SYSTEM



FRAME DEPTH	136 mm – 145 mm – 221 mm
SASH DEPTH	60 mm
THICKNESS	1,4 mm – 1,8 mm
THERMAL BREAK	frame – 24 mm, sash – 14,8 mm
GLAZING	10 mm – 46 mm
CARRY CAPACITY PER SASH	300 kg – 400 kg
MAX SASH WIDTH	720 mm – 3235 mm
MAX SASH HEIGHT	1200 mm – 2700 mm (3300 mm with additional part)



ConceptFolding 77

ConceptFolding 77 provides exceptional element sizes for maximal transparency and stunning aesthetics. Nature and indoors come closer together as the aluminium folding door system connects up to eight vents to draw the exterior inside:

- High-quality folding doors
- Best in class element sizes
- From 2 to 8 vents, opening any way you want

Thermal Insulation

$U_w = 1.3 \text{ W/m}^2\text{K}$

Air-Water-Wind

High

4 / 9A / B3

Acoustics

Extreme

$R_w(C;Ctr) = 45(-1;-5) \text{ dB}$



Height Vent

Max 3000 mm

Width Vent

Max 1200 mm

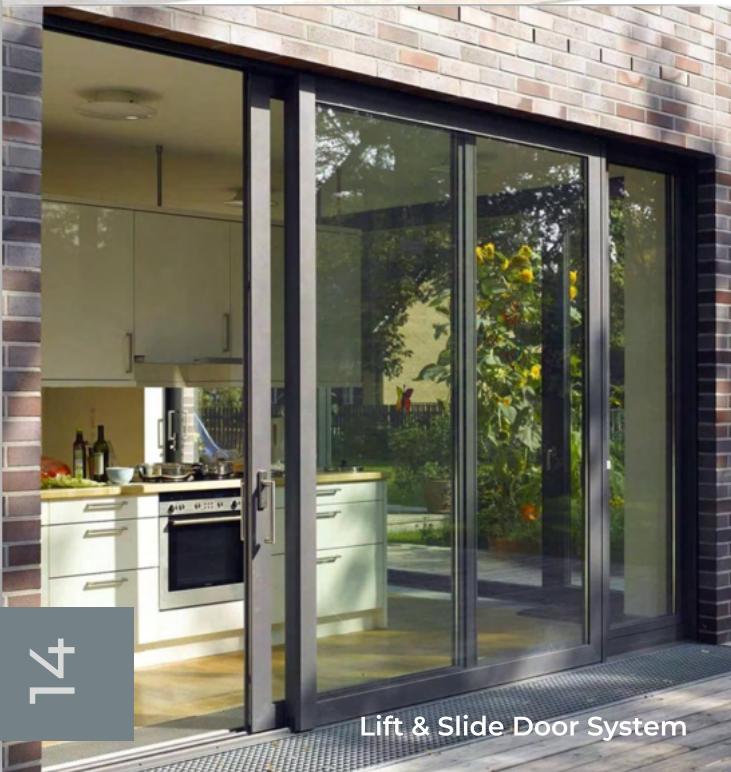
Max Weight

Vent = 120 kg

Aluminum Sliding Systems



Sliding Patio Door Systems



Lift & Slide Door System

Aluminum Sliding Systems Type

- Sliding Patio Door Systems
- Lift & Slide Door System
- Folding Sliding Door System

Check the available aluminum profiles on pages 10-13.

* Folding Sliding Door System is available with
Reynaers ConceptFolding 77



Folding Sliding Door System

Aluminum Sliding Systems



Transparent Glass



Matte Glass



Smart Glass

TYPES OF GLASS



Single-Cavity



Double-Cavity

TRANSPARENT GLASS

Transparent glass with a high degree of light transmission. The edge has a greenish tint.

ULTRA-TRANSPARENT GLASS

Glass with a higher degree of transparency. The edge has a blue tint.

TINTED GLASS

Less transparent fused glass with the addition of metal oxides to the glass mass. Main colors: bronze, grey, blue and their tints.

MATTE GLASS

Glass with a low degree of transparency. High light transmission.

SMART GLASS

Glass with electrically controlled transparency. Produced on the basis of a special film by the triplexing method.

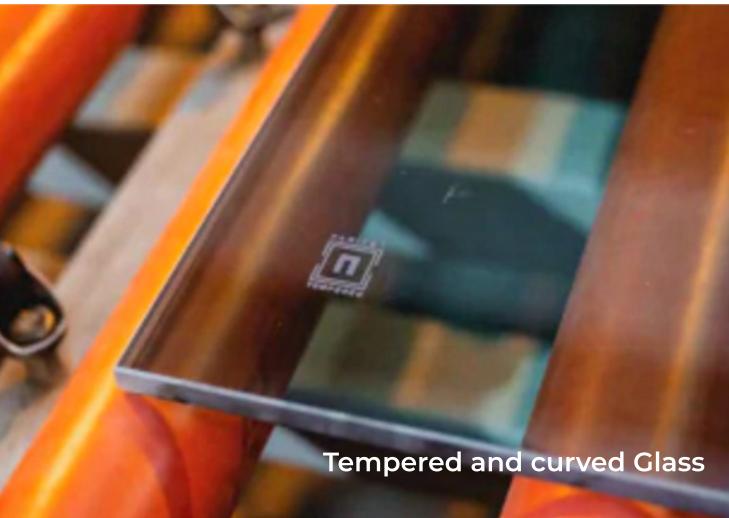


Ultra-transparent glass



Tinted glass

Insulating Glass Units Type



GLASS PROCESSING

TEMPERED AND CURVED GLASS

Tempered high-strength glass with a paint (enamel) coating applied to one of the surfaces, subjected to heat treatment.

ENAMALITE

Tempered high-strength glass with a paint (enamel) coating applied to one of the surfaces, subjected to heat treatment.

LAMINATION GLASS

Large-format glass equipment for the production of triplex 4000*2400mm.

GLASS UNITS FUNCTIONS

- Energy-saving
- Multifunctional
- Standard



Enamalite

Lamination Glass

Lamination Glass

Insulating Glass Units Type



WINDOW FRAME COLOURS (RAL)

STANDARD COLORS

7016

8017

9005

9016

CUSTOM COLORS

7032

7035

7038

7041

7033

7036

7039

7042

7034

7037

7040

7043

WE CAN OFFER FULL RAL COLOUR CUSTOMIZATION

TYPES OF SURFACE FINISH



Matte Surface Finish

Glossy Surface Finish

Textured Surface Finish

Color & Finish Options

CERTIFICATIONS

Our aluminum windows and doors are manufactured using high-performance profile systems from Asistal and Reynaers. Both suppliers hold internationally recognized certifications and have successfully passed all required structural, thermal, and performance tests in accredited laboratories.

These profile systems fully comply with the applicable European and international standards for quality, durability, energy efficiency, and safety. Insulated glass units are manufactured according to the quality requirements established by ift Rosenheim.



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