



Catalog of Aluminum Glazing

High-performance architectural solutions

Design, functionality and efficiency for
residential and architectural projects.





Aluminum Glazing

Advantages for residential and architectural projects

Aluminum glazing is a modern, versatile and reliable solution for doors and windows that combines contemporary design with superior performance. Thanks to the evolution of profiles and systems, it is now possible to create brighter, more efficient and more comfortable spaces without sacrificing safety or aesthetics.

These are its main advantages:



1. Durability

Aluminum resists corrosion, moisture and UV rays. Service life of up to 30 years with proven performance in demanding climates.



2. Easy maintenance

Smooth surfaces and high-quality finishes make cleaning easy. No painting or periodic treatments are required.



3. Thermal efficiency

Modern thermally broken profiles and appropriate glazing can reduce heat loss by up to 60%, improving indoor comfort and lowering energy consumption.



4. Visibility

Slim profiles maximize the glazed area, providing more natural light and unobstructed views.



5. Adaptability to various designs

A wide variety of systems, configurations and finishes adapt to traditional and contemporary architectural styles.



6. Cost-effectiveness

Excellent cost-benefit ratio due to its long service life, low maintenance and energy savings.



7. Sustainability

Aluminum is 100% recyclable without losing its properties, contributing to more responsible and environmentally friendly construction.



Aluminum glazing is a smart investment that enhances the value and performance of any project. At GlassShield, we combine aesthetics, functionality and efficiency to deliver objective, precise solutions with a perfect balance in glazing materials.



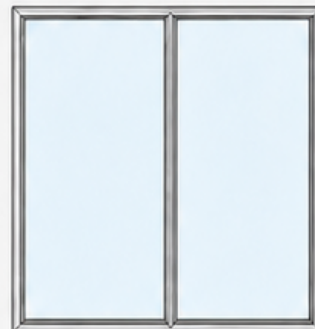
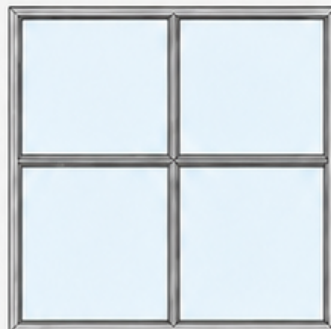


Aluminum Glazing — Common Typologies

At GlassShield, we offer a wide variety of aluminum glazing typologies designed to adapt to the needs of each project. Discover the most common options and choose the solution that best fits your spaces, aesthetics and functionality.

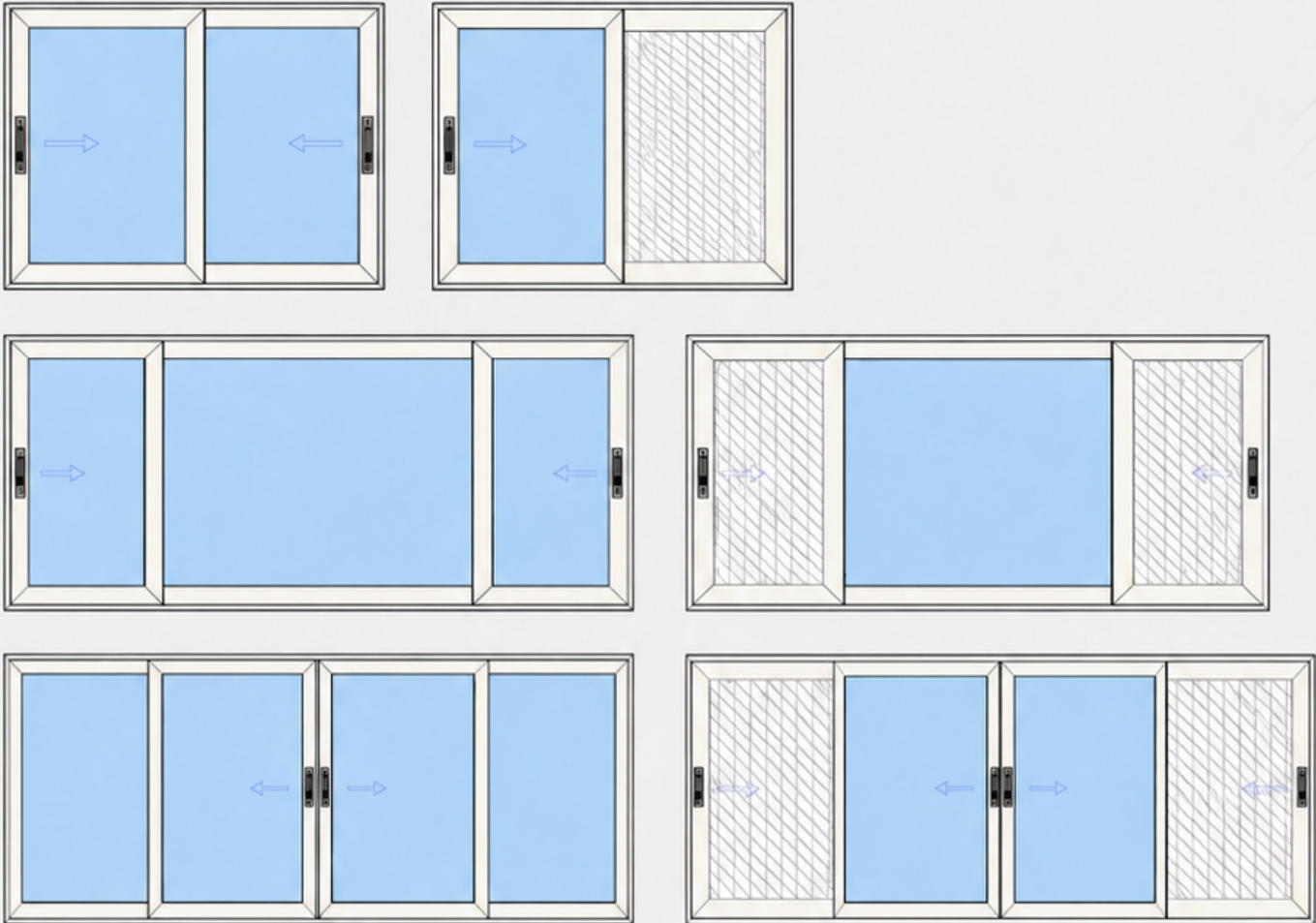
- 1 **Fixed windows:** Provide maximum daylight and panoramic views. They do not open, which improves insulation and energy efficiency.
- 2 **Sliding windows:** Slide horizontally on tracks, optimizing space and offering smooth, practical operation.
- 3 **Casement windows:** Operate like doors, rotating on a vertical axis inward or outward for full ventilation.
- 4 **Hopper windows:** Open from the top toward the interior, ideal for continuous ventilation even in reduced spaces.
- 5 **Awning windows:** Open outward from the bottom, allowing airflow while helping block rain intrusion.
- 6 **Folding windows:** Panel systems that fold and stack to one side, creating wide openings and continuity between indoors and outdoors.
- 7 **Tilt-and-turn windows:** Combine casement and tilt opening, allowing safe ventilation and controlled airflow.
- 8 **Lift-and-slide doors:** Slide with a lifting system that ensures tight sealing, security and superior comfort.

Fixed windows:

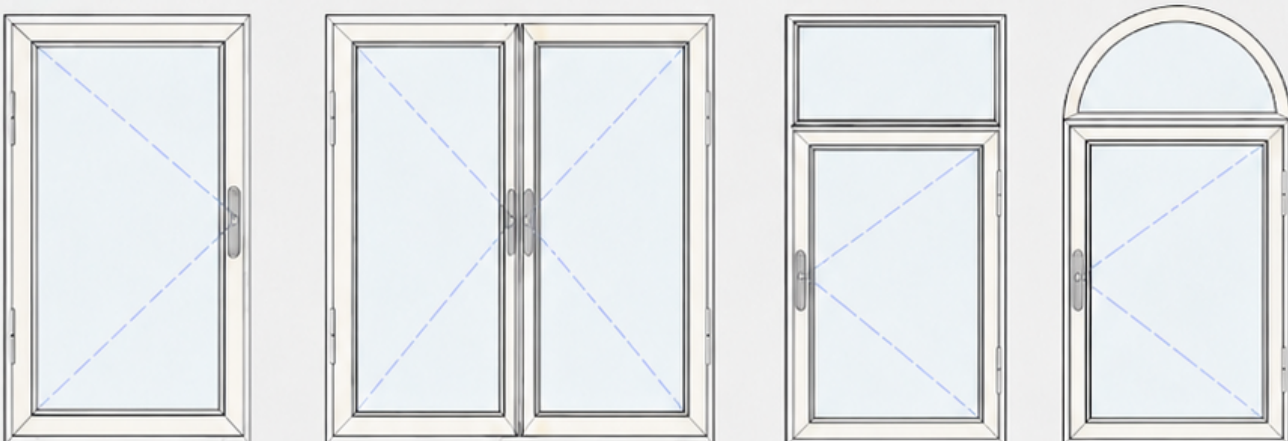




Sliding windows and doors (Optional screen):



Casement windows and doors (Optional screen):

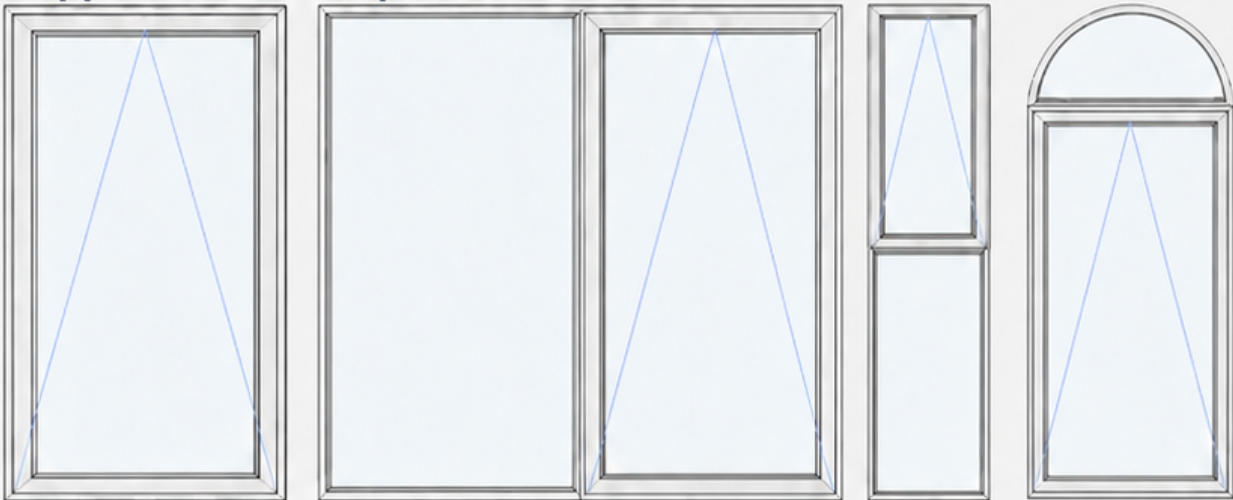




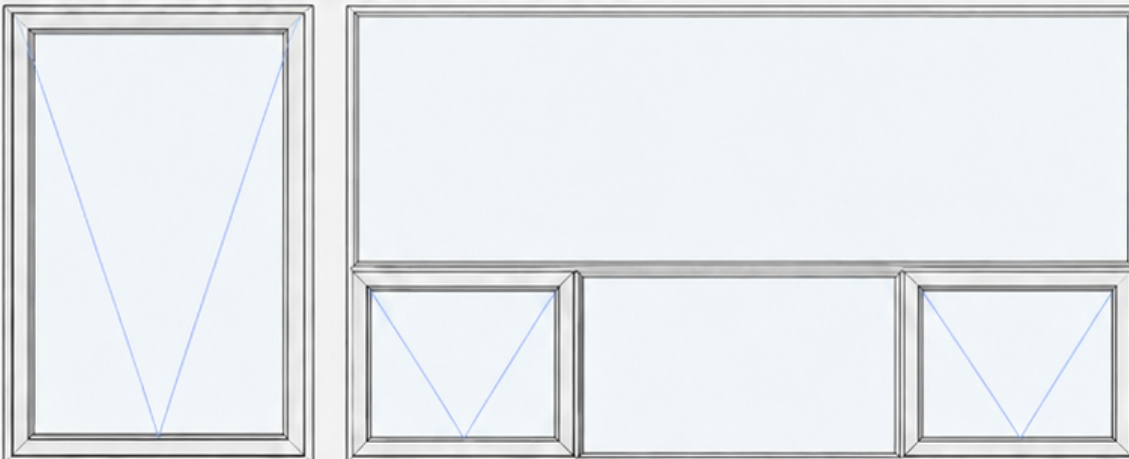
Casement windows and doors (Optional screen):



Hopper windows (Optional screen):

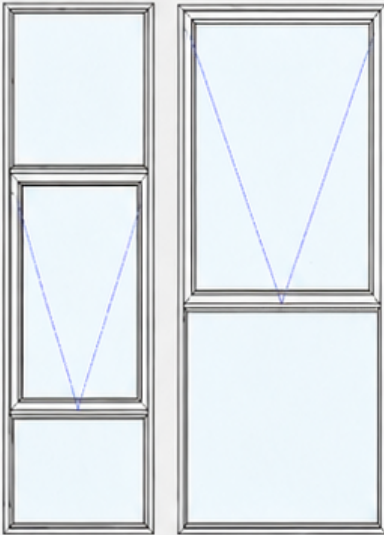


Awning windows (Optional screen):





Awning windows (Optional screen):



Folding windows and doors:

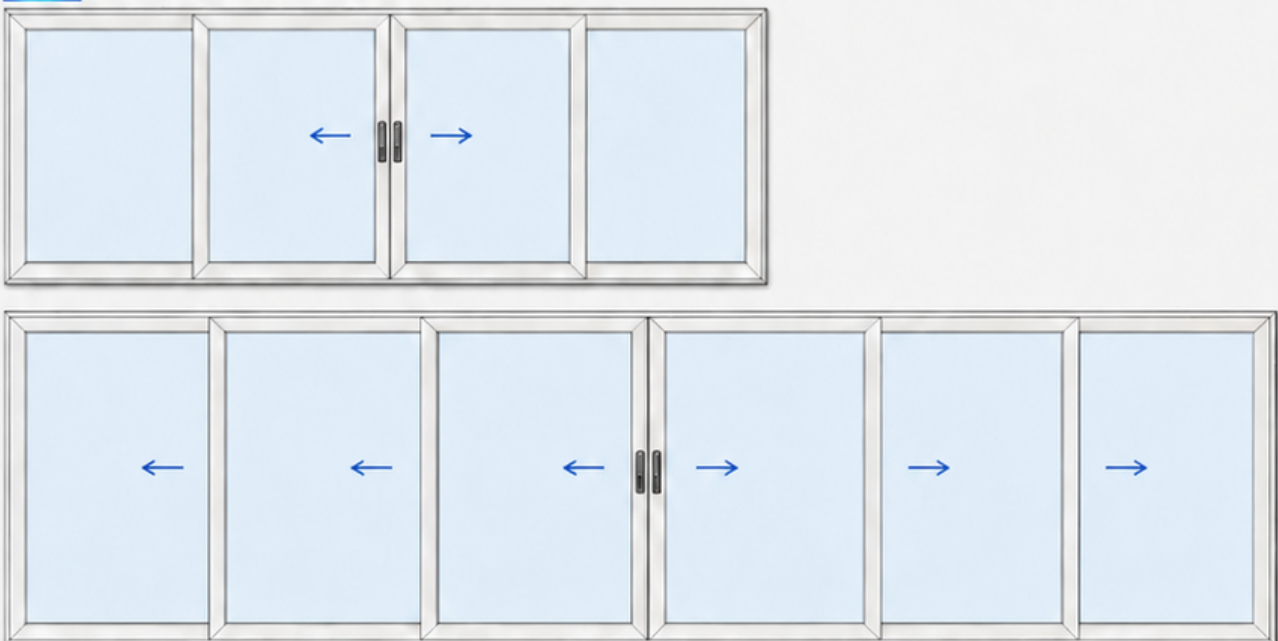




Tilt-and-turn windows:



Lift-and-slide doors:

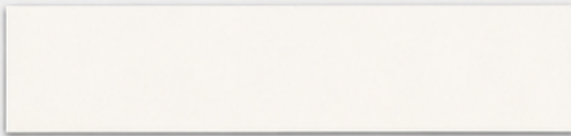




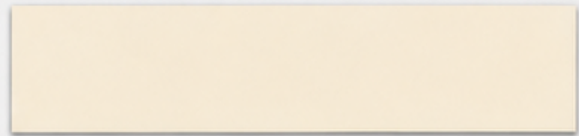
Color Options (Aluminum):

Lacquered or electro-painted:

White RAL 9010:



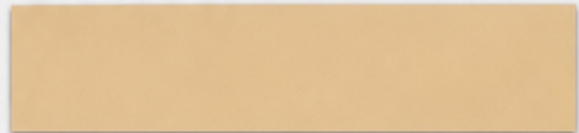
Bone White RAL 9012:



Black RAL 9005:



Beige RAL 1014:



Gray RAL 9006:



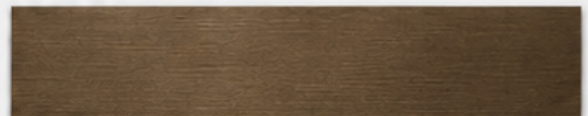
Other colors available upon request and depending on volume

Anodized finishes: (Option resistant to coastal and saline environments)

Matte natural:



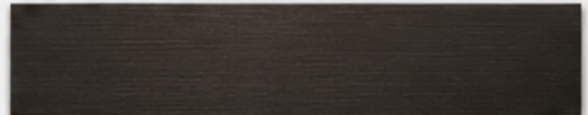
Bronze:



Bright natural:



Dark bronze:



Shot-blasted natural:



Champagne:



Other colors available upon request and depending on volume





Glazing Options:

Choosing the right glazing is key to achieving the highest level of **safety, comfort and efficiency** in your project.
Discover the main options and their applications.



1. Monolithic glass

It is a single sheet of glass without intermediate layers.



Characteristics:

Moderate impact resistance, basic thermal and acoustic insulation, high light transmittance, transparency and versatility for different treatments.



Common uses:

Colored glass decoration, façades, crafts, partitions, enclosures, doors, staircases, balconies and terraces.



2. Laminated glass

Composed of two or more sheets of glass bonded by an interlayer of PVB (polyvinyl butyral).



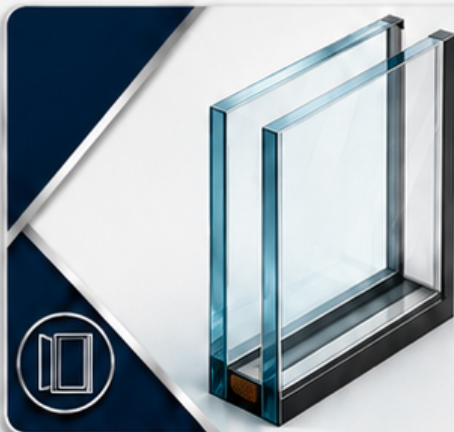
Characteristics:

High impact resistance, enhanced safety, excellent performance against impact, and excellent thermal and acoustic insulation.



Common uses:

Windows, vehicle windshields, façades, roofs and glass floors.



3. Insulated glass

Formed by two or more sheets of glass separated by an air chamber or inert gas.



Characteristics:

Excellent thermal insulation, energy efficiency and significant noise reduction.



Common uses:

Windows and doors that reduce heat or cold loss and improve indoor comfort.

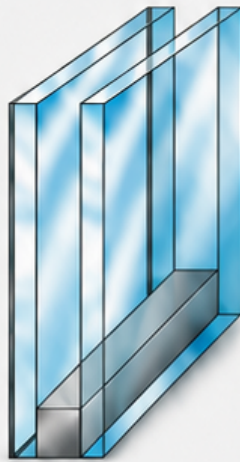


Glazing Options (Graphic):

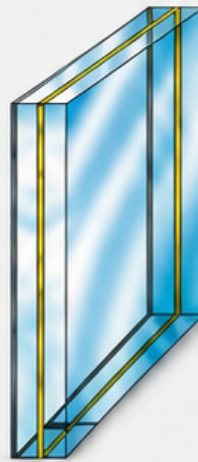
Monolithic Glass:



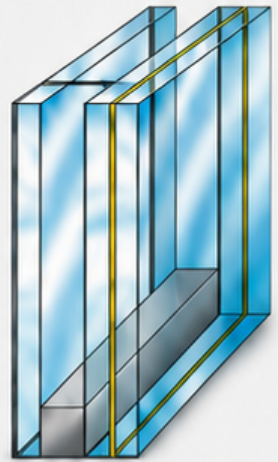
Insulated Glass:



Laminated Glass:



Laminated Insulated Glass:



Color Options (Glass):



Clear, bronze, green, and line blue in certain thicknesses; other colors available upon request and depending on volume

