



Barrier
North America

B75 SERIES



EUROPEAN QUALITY
MADE AFFORDABLE

2025-2026 System Brochure



Performance

When quality meets affordability, B75 is the first choice for all clients. Designed for maximum light entering a room, B75 is the best choice for houses or buildings that want more natural light than any product can offer. The extra chambers inside the profiles can get the U-value to 0.27 Btu with double glazed glass.

Durability

Our premium PVC products are meant to last for 20 years. We can adapt our products to any climate in USA, by changing the glass to comply for each zone. Additionally, our hardware is all German made, which could potentially last a lifetime if properly taken care of.

Insulation

The chambers inside the profile are meant to keep the same temperature inside, while protecting from the harsh weather outside. Extra locking points around the sash ensure total wind-proof and the gaskets ensure no air can penetrate the window assembly.

Easy to clean

Exterior of our European-Style windows are easy to clean. Just open them on the inside and you can get the job done in less than a minute.

Glass

Every glass unit is built to last, that is why we work with Saint Gobain – a global giant in glass manufacturing and because we do the units in-house, we have full control over the quality. We have coatings that can lower or increase the SHGC, adapting to every client need.



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Design for all

We have created a full catalogue and list of CAD files that detail the design, installation and trims of our B75 profile.



Rigorously tested

B75 has been rigorously tested for both NFRC and AAMA, further showing our commitment to providing high quality European products to USA citizens.

Tested by Molimo, certified by Keystone.
Performance may vary by product size.

References

- **ASTM E283 – Air Leakage**
- **ASTM E330 – Structural Performance**
- **ASTM E331 – Water Penetration**
- **AAMA/WDMA/CSA 101/I.S.2/A440 (NAFS) – Product Classification**
- **NFRC 100 – U-Factor Determination**
- **NFRC 200 – Solar Heat Gain Coefficient**
- **NFRC 500 – Condensation Resistance**

Warranty

To comply with USA standards, we offer 10 years for PVC, aluminum and glass.

Life expectancy of PVC is 20 years and for the aluminum windows that we supply is 65 years.





Detailed Design - Differences



European style windows

- Clear view through the window
- Extra locking points
- Easy handle action
- Inside opening – easy cleaning
- Many colors options
- German Hardware



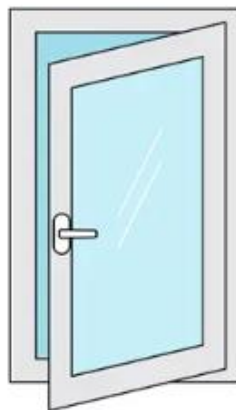
Standard USA style windows

- View obstructed by transom
- Sliding system, few locking points
- Lockable at any height
- Hard to clean
- Limited colors
- Standard hardware

Types of actions



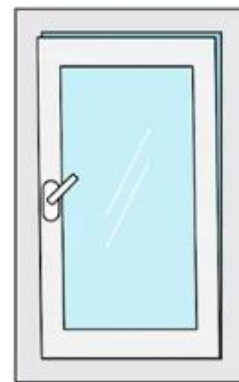
CLOSED MODE



TURN MODE



TILT MODE



MICRO-VENTILATION MODE



Finishes

Our windows are all laminated with a very high quality decorative film – resulting in a permanent, UV-stable exterior and interior. Even in the harshest conditions, they remain virtually maintenance free and keep their original vibrant color for years to come.

Colors

55 finished to choose from, including Ultimate Black, Anthracite Grey, Bronze, Wood Imitation, etc. These can be used for both interior and exterior. Let your imagination be free!

Hardware

Handles and hinges come in 8 colors: white, black, silver, bronze, titan, cream, golden and brown.

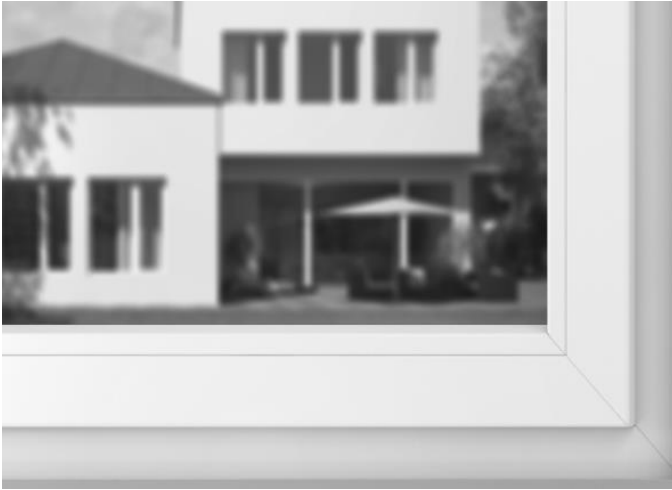
Hardware is German made and is from Roto, one of the largest companies in the world in terms of windows and doors hardware solutions. There are also multiple handle options so each customer can coordinate with the Barrier North America sales team to make the perfect window meant for them.





Hinges

There is also an option for concealed hinges for a premium aspect. Please contact our sales department for more details and prices.



Concealed



Visible

Max Sizes and weights



Roto visible hinges

Sash weight: maximum 290 lb

Maximum sizes: 51" x 75"

H3: 20.000 cycles



Roto concealed hinges

Sash weight: maximum 330 lb

Maximum sizes: 55" x 102"

H3: 20.000 cycles

Glass

Choose the glass suited for your project. For more information please check with the Barrier North America sales department.

PLANITHERM® XN (II) DGU

Configuration 4/16/*4 mm
Coating on face #3 - Cavity: 90% Argon
All panes PLANICLEAR® clear glass
According to EN 410/ EN 673

LIGHT TRANSMISSION

TL **82** %

SOLAR FACTOR

g **65** %

Planitherm XN (Low-e)

Also known as Low-e, this coating is the most common one, providing excellent insulation, while keeping it affordable.

Can be used across all USA zones, in double glazed units, as well as in triple glazed ones. We recommend using it only as the interior coating.

U-value DGU = 0.197

U-value TGU = 0.1 Btu/(h.ft².F)

SHGC DGU = 0.44

SHGC TGU = 0.26

PLANISTAR® SUN

Configuration 4*/16/4 mm
Coating on face #2 - Cavity: 90% Argon
All panes PLANICLEAR® clear glass
According to EN 410/ EN 673

LIGHT TRANSMISSION

TL **72** %

SOLAR FACTOR

g **38** %

Planistar Sun

Also known as Sun Control, this coating is best used in warm climates, to prevent radiation from the sun from entering rooms and warm them up.

Planistar Sun is always used on the interior side of the exterior glass sheet and can be used in a TGU with Low-e.

U-value DGU = 0.183

U-value TGU = 0.097

SHGC DGU = 0.26

SHGC TGU = 0.23



Glass treatments and types

As specified, all our glass comes from one of the largest glass manufacturers in the world, Saint Gobain. As such, we have adapted our products to the market demand and can provide any type of glass imaginable.

Annealed



The most common and cheapest option for glass, annealed glass is the choice when there is no safety code involved.

Disadvantage: breaks easily, producing long sharp splinters

Tempered



Tempered glass is the first choice when it comes to safety glass, as it shatters into thousand of pieces, minimizing injuries and is also 5 times tougher than annealed glass, thanks to its heat treatment.

Disadvantage: more expensive

Laminated



Laminated glass is actually 2 annealed glass sheets that are bonded together with one or more interlayers. In case of impact, it does not break. Best example would be windshields, but it is most commonly used as safety glass in curtain walls or door entrances.

Disadvantage: heavier

Heat Strengthened



Heat Strengthened glass has the same heat treatment as tempered glass, but has a different cooling process. It is 2-3 times tougher than annealed glass, but it shatters in large splinters as well. Laminated and annealed glass can be heat strengthened for extra durability.

Disadvantage: more costly than annealed glass

For more information regarding which glass suits best for your projects, please contact our sales department.



Insect screens

Insect screens are an essential addition to modern windows and doors, providing natural ventilation while keeping insects and debris out. Designed with precision and style, our range of insect screens ensures comfort, hygiene, and unobstructed views — without compromising on aesthetics or functionality.

Fixed Insect Screen



A simple and cost-effective solution permanently mounted on the window frame. Ideal for windows that are rarely opened, providing continuous protection against insects while allowing airflow and visibility.

Hinged Insect Screen



Features a hinged frame that opens outward like a small door. Perfect for windows or balcony doors that need frequent access, combining convenience with durable protection.



Equipped with a retractable mesh that rolls up into a discreet cassette when not in use. Great for maintaining a clean look while allowing flexibility for ventilation and cleaning.



Stylish and modern, featuring a pleated mesh that slides horizontally. Designed for large openings such as patio doors, offering smooth operation, elegant appearance, and excellent durability.