



element**SHIELD**TM

VINYL



Impact Resistant
Windows & Doors
WE'RE STRONGER™





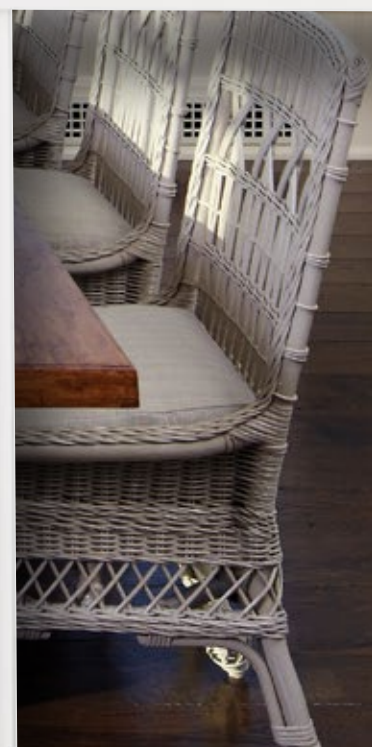
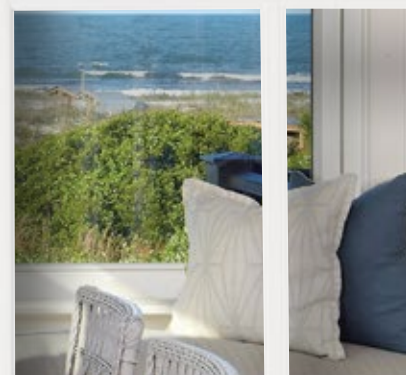


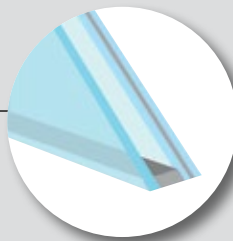
Protecting you from the elements and high energy bills.

ElementShield Vinyl represents one of the most powerful impact resistant product lines in the nation.

It safeguards your home from unwanted elements with style thanks to the ingenuity of CGI. CGI is a premier manufacturer of impact resistant windows and doors who offers exceptional durability and quality.

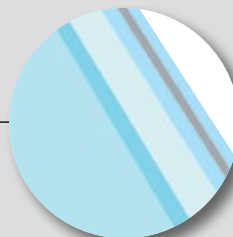
ElementShield Vinyl products not only enhance the aesthetics of your home. They meet the most stringent building codes in the country, the Miami-Dade Notice of Acceptance. Combine this benefit with outstanding energy efficiency, and ElementShield Vinyl delivers the features you need to keep your home secure.





GLASS OPTIONS

Available in monolithic laminated glass and laminated insulating glass



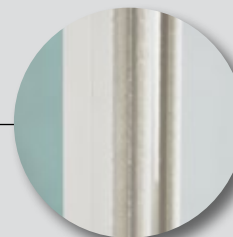
GLASS THICKNESS

Available with 1" laminated insulating glass for better energy efficiency



TILT LATCHES

Recessed latches for optimal function and form



TRIPLE WEATHERSTRIPPING

Triple weatherstripping at the jamb creates superior energy efficient air and water infiltration protection



BALANCE

Lift Assist Constant Force Balance System on most sizes for prolonged durability and ease of operation



TRIM

Contoured for an added touch of elegance



Why Vinyl?

- Enhanced energy efficiency
- Strength and durability
- Low maintenance costs
- Sustainability

Why ElementShield Vinyl?

CGI SELECTED THE VERY BEST FORMULATION

- Developed by a material sciences program with over 75 years of experience
- Used in over 50 million products
- Improved impact resistance and enhanced color retention
- Undergoes uncompromising quality and performance testing
- Utilizes 100% plant-based materials for all lubricants

How to Select the Right Performance Glass for Your Home

LAMINATED GLASS

This type consists of two sheets of glass bonded together with a protective interlayer, making it the primary hurricane barrier in impact resistant products. Laminated glass also eliminates 99% of UV rays, reduces noise transmission, provides enhanced security protection, and helps lower your energy bills.

LAMINATED INSULATING GLASS

An extra single pane of glass is added to the laminated glass unit with a hermetically sealed air space (or gas filled space) in between the panes. This space serves as an insulator between inside and outside temperature variations. It also helps improve the energy performance of Low-E coatings overall.



TINTED GLASS

Tinted glass is one of the most effective ways to combine cost reductions with energy efficiencies. It absorbs incoming solar radiation through the glass, thereby reducing the heat and light transfer into a room. Gray and bronze tinted windows—the most popular types—reduce the penetration of both light and heat into buildings equally. Blue and green tints offer greater penetration of visible light and slightly reduced heat transfer compared to other colors. Clear glass is also available. However, special coatings or tints must be applied in order to minimize heat transfer.

HIGH PERFORMANCE LOW-E COATINGS

Low-E Coatings are added to the internal glass surface to separate heat energy (long wave) and light energy (short wave). The heat energy is reflected back to the heat source, and the short wave can pass through the coating. Hence, Low-E helps you maintain more comfortable indoor temperatures in warm and cold weather. These coatings also exhibit certain color characteristics depending upon viewing angles, reflected light and time of day.

With all of these options, how do I decide?

For a more affordable improved energy efficiency option, choose tinted glass or clear glass with Low-E.

If you are interested in the strongest energy performance, consider laminated insulating glass with Low-E.

Check with your dealer/builder on whether the building code requirements in your area require a specific glass makeup. This step will help ensure that you meet the proper code.





Nesting Handle



Double Applied Contoured



Flange Frame



Clean Weld Lines



SUPER-VIEW™ SCREEN MESH

Our Super-View see-through screen material provides strong construction and clearer, unobstructed views. Our screens are constructed using a sturdy extruded frame design.

Beautiful Designer Configurations



Half Circle



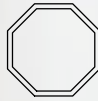
Arch Top /
Eyebrow



Full Circle



Oval



Octagon



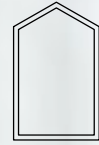
Hexagon



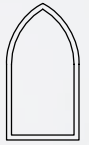
Chord



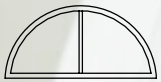
Tombstone



Pentagon



Gothic
Pentagon



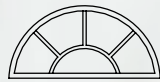
2-Lite Half
Circle or 2 X 1



4-Lite Half



4-Lite Sunburst



5-Lite Sunburst



Custom
Colonial



Custom
Colonial



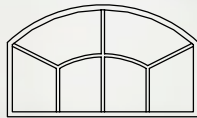
Trapezoid



4 X 2 Eyebrow



4-Lite Sunburst
Eyebrow



Custom
Colonial



4-Lite Full
Circle or 2 X 2



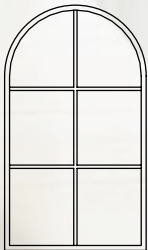
Custom
Colonial



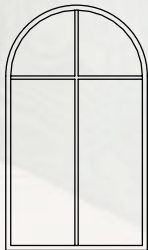
Custom
Colonial



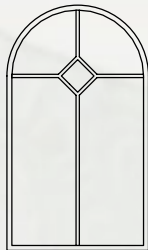
9-Lite
Octagon



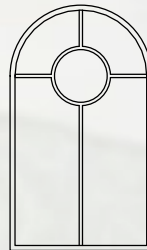
2 X 3
Tombstone



Custom
Colonial



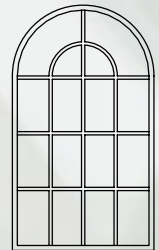
Custom
Colonial



Custom
Colonial



Custom
Colonial



Custom
Colonial

ElementShield Vinyl Features

FRAME COLOR

- White

GLASS TYPES

- Laminated
- Laminated Insulating

GLASS TINTS

- Clear
- Solexia Green
- Gray
- White Interlayer
- Dark Gray
- Mist
- Bronze
- Rain

GLASS COATINGS

High Performance Low-E options

MUNTIN/GRID DESIGN

- Lift Assist Constant Force Balance System
- Extruded screen frame with Super-View screen mesh
- Capture-lock sash system

HORIZONTAL ROLLING WINDOW

- Two and three-panel configurations: OX, XO, XOX
- Concealed installation fasteners
- Extruded screen frame with Super-View screen mesh
- Capture-lock sash system

CASEMENT/PROJECT OUT

- Stainless steel operator with nesting crank handle
- Stainless steel operator track
- Multipoint locking system with single locking handle
- Extruded screen frame with Super-View screen mesh



MULLION COVERS

Interior mullion cover practically flush when installed with our 1 x 3 mullion.

We offer a variety of tinted glass options. Generally, we do not suggest combining glass tints with Low-E coatings.+



*Glass tint colors shown may vary in actual applications.

+Low-E coatings exhibit certain color characteristics depending upon viewing angles, reflected light and time of day. When clear glass is coupled with a Low-E coating, during certain times of the day, the reflected color can appear green from the outside. This Low-E coating offers an excellent combination of thermal performance, visible light transmittance and value.

Single Hung Window

Concealed balances, capture-lock sash system and recessed tilt latches for unobstructed views.

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

STANDARD HARDWARE

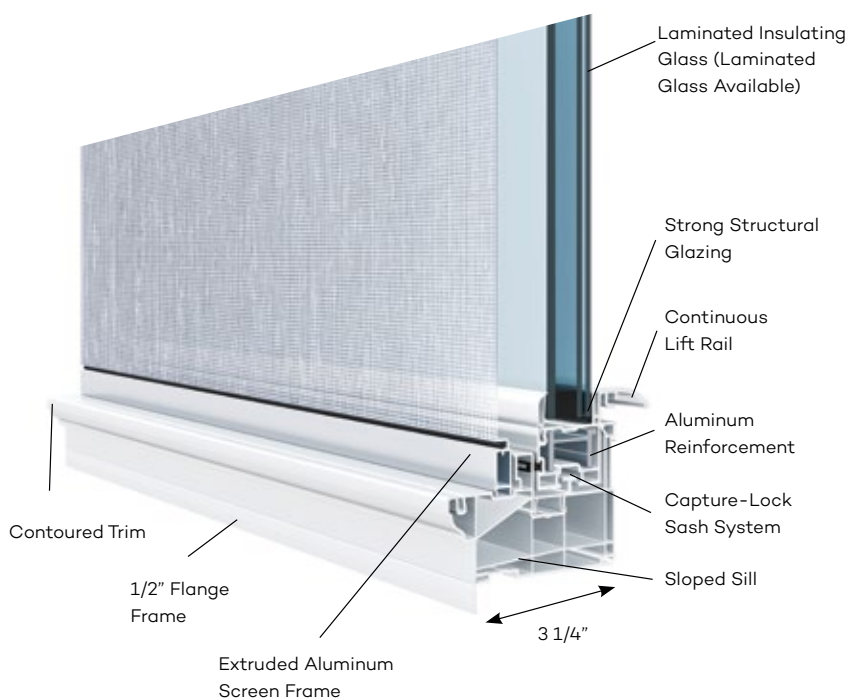
- Snap lock
- Sweep Locks (over 60 PSF)

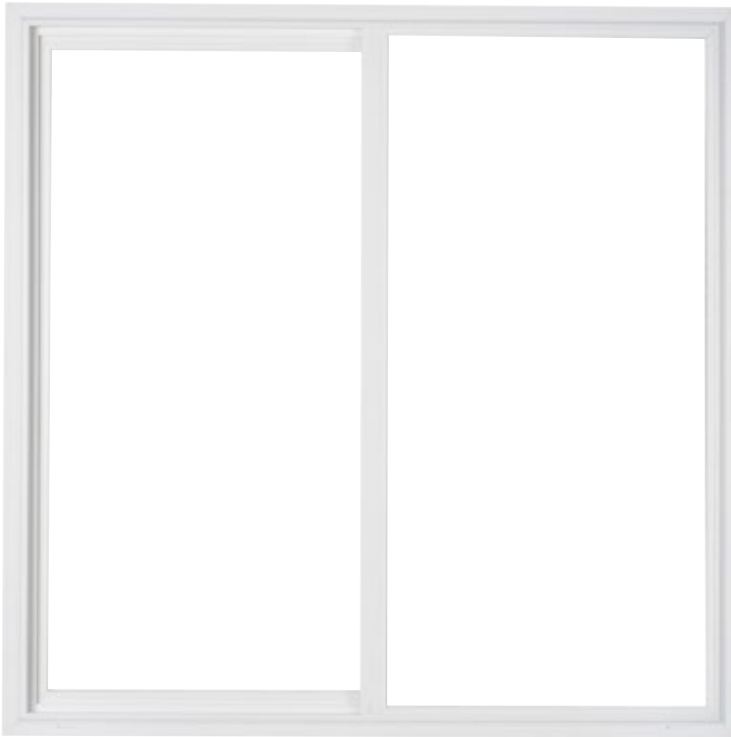
STANDARD FEATURES

- 1/2" flange frame
- 3 1/4" frame depth
- Aluminum reinforced jamb
- Sloped sill
- Capture-lock sash system
- Lift Assist Constant Force Balance System
- Snap-on glazing beads
- Strong structural glazing
- No installation fasteners required in head or sill
- Aluminum reinforced sash
- Extruded screen frame with Super-View screen mesh
- Maximum size: 54" x 77"

OPTIONAL ITEMS

- Available in Oriel/Proview configurations
- Flange, fin & equal leg frame options
- Internal grills between the glass





Horizontal Rolling Window

Super smooth rolling action available in up to 111" x 63" in a 3 panel configuration.

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

STANDARD HARDWARE

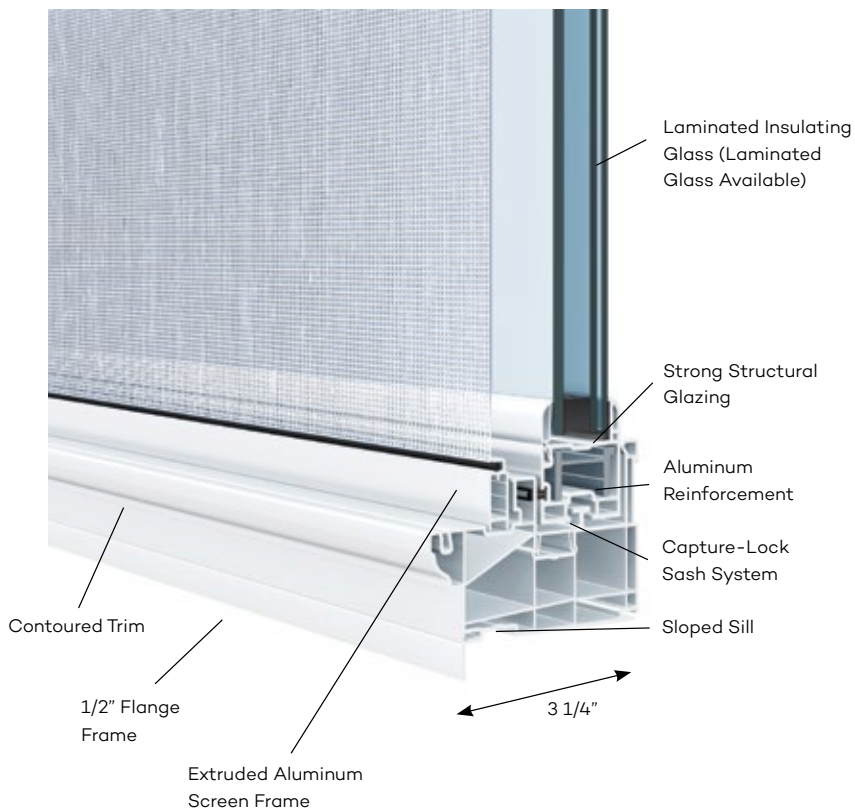
- Snap lock
- Sweep locks (over 60 PSF)

STANDARD FEATURES

- Two & three panel configurations in OX, XO, XOX
- Equal lites or 1/4-1/2-1/4 configurations
- 1/2" flange frame
- 3 1/4" frame depth
- Snap-on glazing beads
- Strong structural glazing
- Concealed installation fasteners
- Aluminum reinforced sash
- Extruded screen frame with Super-View screen mesh
- Capture-lock sash system
- Maximum size:
XO, OX 74.75" x 63"
XOX 111" x 63"

OPTIONAL ITEMS

- Flange, fin & equal leg frame options
- Internal grills between the glass



Casement Window

Multipoint locks, nesting handle, and a stainless steel package including operators and hinges.

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

STANDARD HARDWARE

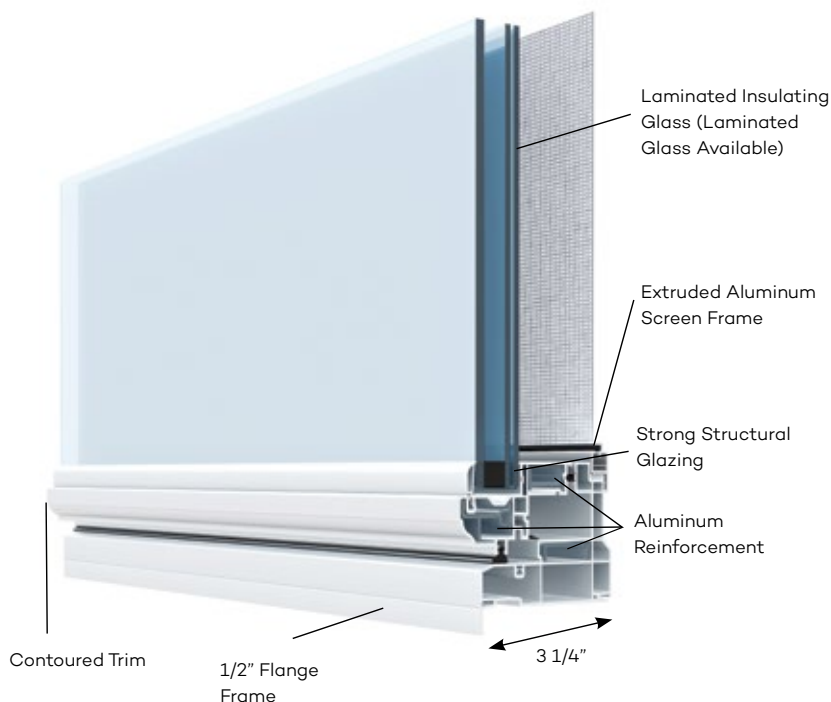
- Stainless steel arm operator with nesting crank handle
- Stainless steel operator track
- Hinges with washability features
- Pair of stainless steel concealed hinges
- Multipoint lock system with single locking handle
- Stainless steel keepers
- Aluminum super-snubber blocks
- Small operator on units less than 24"
- Large operator on units 24" or more

STANDARD FEATURES

- Snap-on glazing beads
- Triple weatherstripping
- 1/2" flange frame
- 3 1/4" frame depth
- Strong structural glazing
- Aluminum reinforced frames and sash
- Extruded aluminum screen frame with Super-View screen mesh
- Maximum size: 37" x 76"

OPTIONAL ITEMS

- Limit opening devices
- Flange, fin & equal leg frame options
- Internal grills between the glass





Project Out Window

Multipoint locks, nesting handle, and a stainless steel package including operators and hinges.

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

STANDARD HARDWARE

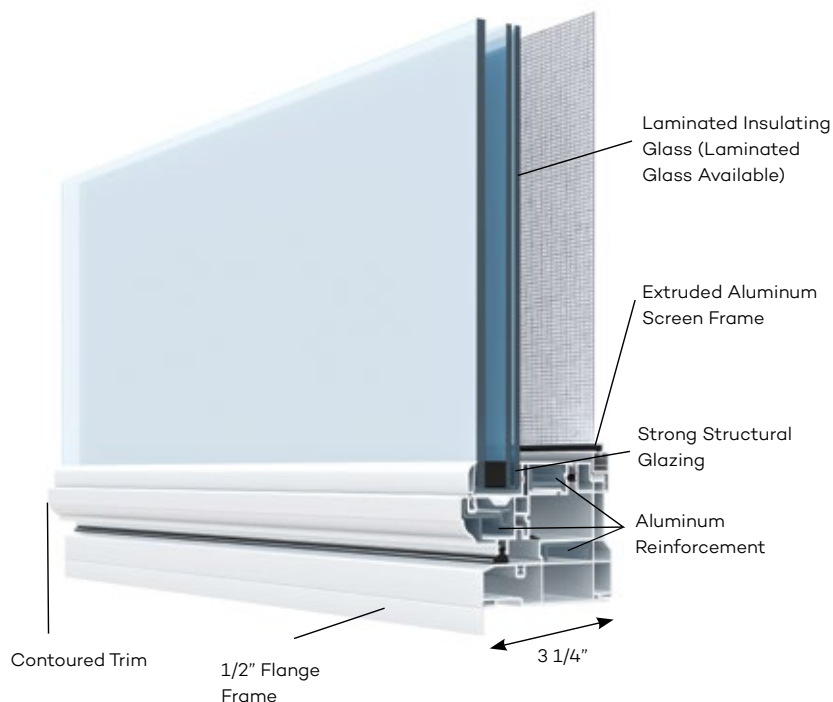
- Stainless steel arm operator with nesting crank handle
- Stainless steel operator track
- Hinges with washability features
- Pair of stainless steel concealed hinges
- Multipoint lock system with single locking handle
- Stainless steel keepers
- Aluminum super-snobber blocks
- Small operator on units less than 24"
- Large operator on units 24" or more

STANDARD FEATURES

- Snap-on glazing beads
- Triple weatherstripping
- 1/2" flange frame
- 3 1/4" frame depth
- Strong structural glazing
- Aluminum reinforced frames and sash
- Extruded screen frame with Super-View screen mesh
- Maximum size: 37" x 76"

OPTIONAL ITEMS

- Limit opening devices
- Flange, fin & equal leg frame options
- Internal grills between the glass



Fixed Window

Concealed installation fasteners available up to 32 square feet.

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

STANDARD HARDWARE

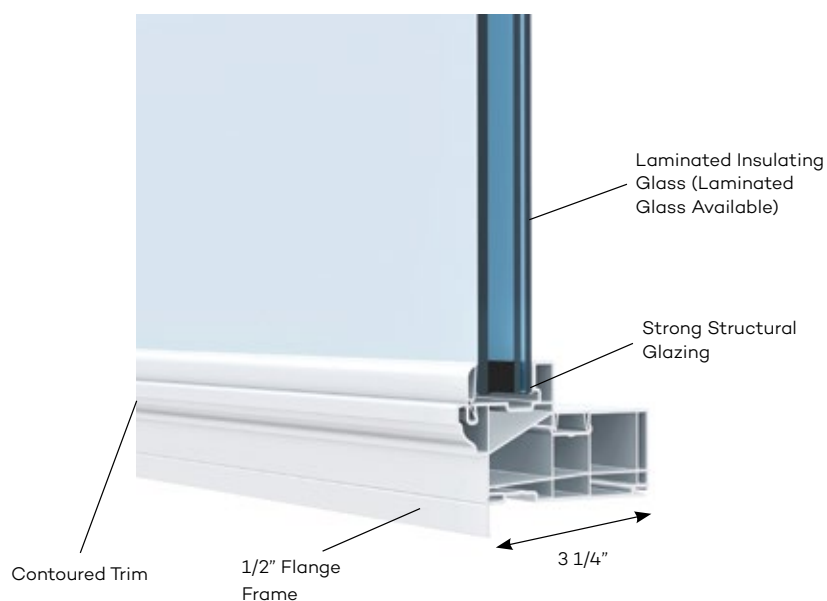
- Snap-on glazing beads
- 1/2" flange frame
- 3 1/4" frame depth
- Strong structural glazing
- Concealed installation fasteners
- Maximum size: 32 sq ft

DESIGNER FIXED WINDOWS

- Half circle
- Arch top/eyebrow
- Full circle
- Octagon
- Hexagon
- Chord
- Tombstone
- Trapezoid
- Pentagon
- Gothic pentagon

OPTIONAL ITEMS

- Flange, fin & equal leg frame options
- Internal grills between the glass





Sliding Glass Door

Panels up to 4' x 10' or 5' x 8' in multiple track and pocket door configurations, with dual point locking mechanism and hidden installation and assembly screws.

AVAILABLE FINISH

White

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 1 - 1/16" Laminated

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

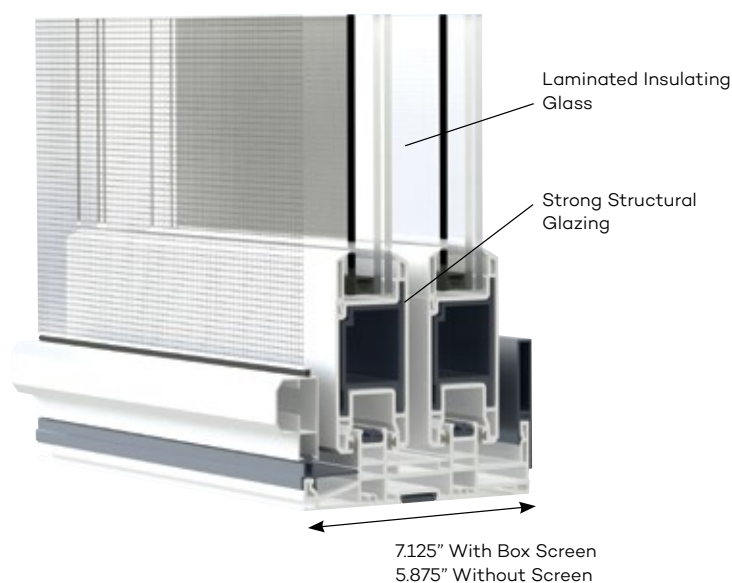
- Interior lock and handle
- Color matched to frame
- Tandem steel roller assembly
- Dual-point mortise lock

STANDARD FEATURES

- Equal leg/box frame
- Sill risers and track inserts are clear anodize
- Maximum size: Nominal 5' x 10'

OPTIONAL ITEMS

- Various sill risers
- Multi-panel by-pass and pocket styles
- Standard or box screen
- Tandem stainless steel or nylon roller assembly
- Dual point mortise lock with key lock
- Recessed lock
- Secondary lock
- Internal grills between the glass
- Oil-rubbed bronze hardware



French Door

Multipoint locking system with stainless steel hinges. Available with sidelites attached with clipless mullions and transoms in four different frame styles. 4 9/16" frame depth allows for easy retrofit install.

AVAILABLE FINISH

White

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 1 - 3/16" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

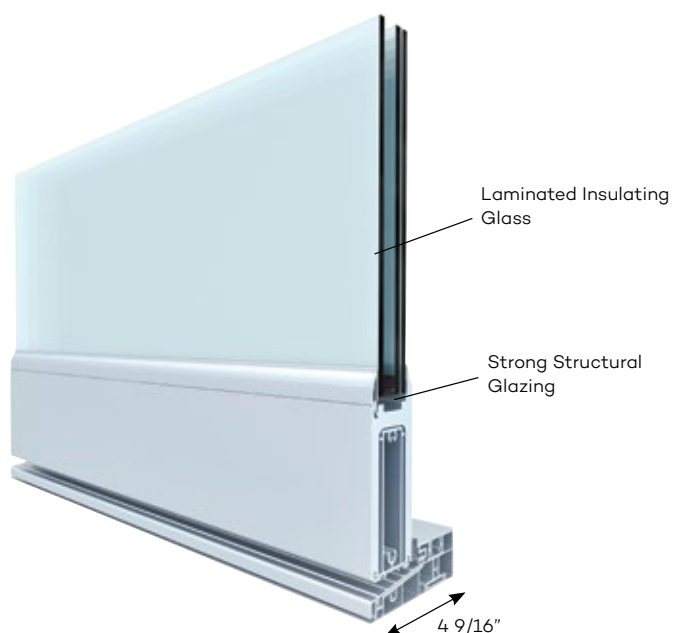
Handle with escutcheon plate (satin nickel)

STANDARD FEATURES

- Outswing
- Single or double door
- Stainless steel hinges
- Equal leg/box frame
- Installation screw covers
- Anchor plates
- Drip cap
- 1 - 3/8" clear anodize threshold and cover
- Maximum size: 40" x 96"

OPTIONAL ITEMS

- Configurable sidelites and transoms
- 5/8" add-on front flange
- Internal grills between the glass
- Oil-rubbed bronze hardware







INVENT. BUILD. DELIVER.

THE PGT INNOVATIONS FAMILY OF BRANDS

