

The logo features the word "WINDPACT" in a bold, dark blue, sans-serif font, with a registered trademark symbol. Below it, the word "PLUS" is written in a smaller, green, sans-serif font. To the left of the text is a stylized graphic of three concentric, swirling lines in shades of blue and green.

**WINDPACT<sup>®</sup>**  
PLUS

IMPACT RESISTANT  
**VINYL WINDOWS & DOORS**



**Custom<sup>®</sup>**   
WINDOW SYSTEMS

1.800.327.3086 • [www.CWS.cc](http://www.CWS.cc)



SAFETY, SECURITY AND  
ENERGY EFFICIENCY...



# The WindPact Plus® Series from Custom Window Systems not only fits better and looks better, it also performs better.

Custom Window Systems, Inc. has been manufacturing high quality windows and doors in Ocala, Florida since 1986. Our WindPact Plus® product line is specifically designed for the hurricane impact zones in Florida and other coastal markets. Our 375,000 square feet of modern manufacturing ensures that we achieve superior levels of impact resistance, safety and security.



Throughout that time we have been proudly innovating and introducing products that meet or exceed the most stringent coastal requirements, including full High Velocity Hurricane Zone (HVHZ) ratings. The WindPact Plus Series is an example of our innovation. We build in all of the newest advances in engineering and technology while never compromising on quality. This ensures that the WindPact Plus® Series from Custom Window Systems not only fits better and looks better, it also performs better.



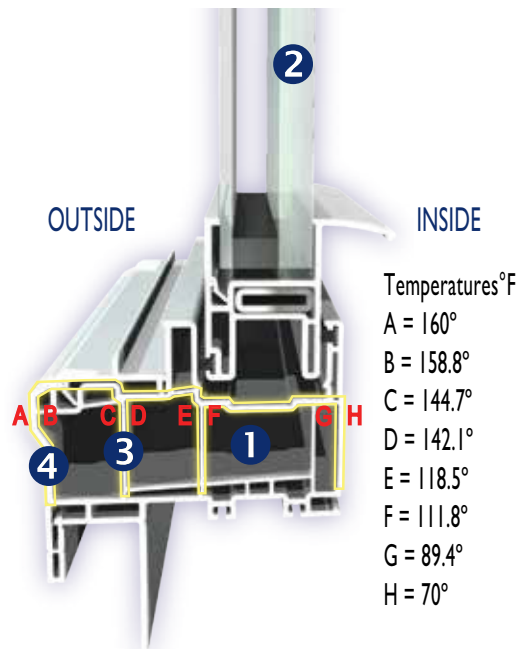
# CHOOSE VINYL WINDOWS

## ADVANCED DESIGN AND ENGINEERING

Custom uses a proprietary compound that incorporates only high-grade resins and additives to achieve optimal weathering, durability, color retention and impact resistance.

The resulting vinyl extrusion provides superior performance in Florida's heat, humidity and severe weather.

- 1) Multiple hollow chambers for strength and insulation (3 times the amount of other vinyl windows)
- 2) Dual-pane laminated insulated glass with argon gas fill (standard)
- 3) Thick vinyl walls for added structural integrity (Our frames do not require aluminum reinforcement which reduces energy-efficiency.)
- 4) Covered weep holes in the sill control water penetration and drainage



### HEAT BUILD UP

The diagram above demonstrates how the nonconductive nature of vinyl keeps the window profile from distorting even when exposed to 160 degrees Fahrenheit. The interior surface temperature is 70 degrees Fahrenheit. Vinyl is part of a window "system", including glass, that is structurally glazed into the frame. This helps to explain why vinyl windows outperform other frame materials even when exposed to high heat environments.

### MULTI-CAVITY CONSTRUCTION

Chambers of insulating air help reduce the transfer of heat into your home while multiple walls of webbing provide superior strength and rigidity. The WindPact Plus series features 18 insulating chambers—the competition has only a few.

#### John Silvers Construction, Inc. — John Silvers, President and CEO

As professional remodelers on the barrier islands, it is very important to us that we find the quality of products necessary to deal with extreme weather. Custom Window Systems has been our "go to" vendor for windows and sliding glass doors. The quality is exceptional, the engineering is spot on and, when necessary, the aftermarket service is beyond compare. It is with confidence that we install products made by Custom. We are assured that when the next storm hits, we will be able to sleep at night knowing that Custom Window Systems is the best in the business in forestalling catastrophes for our customers.

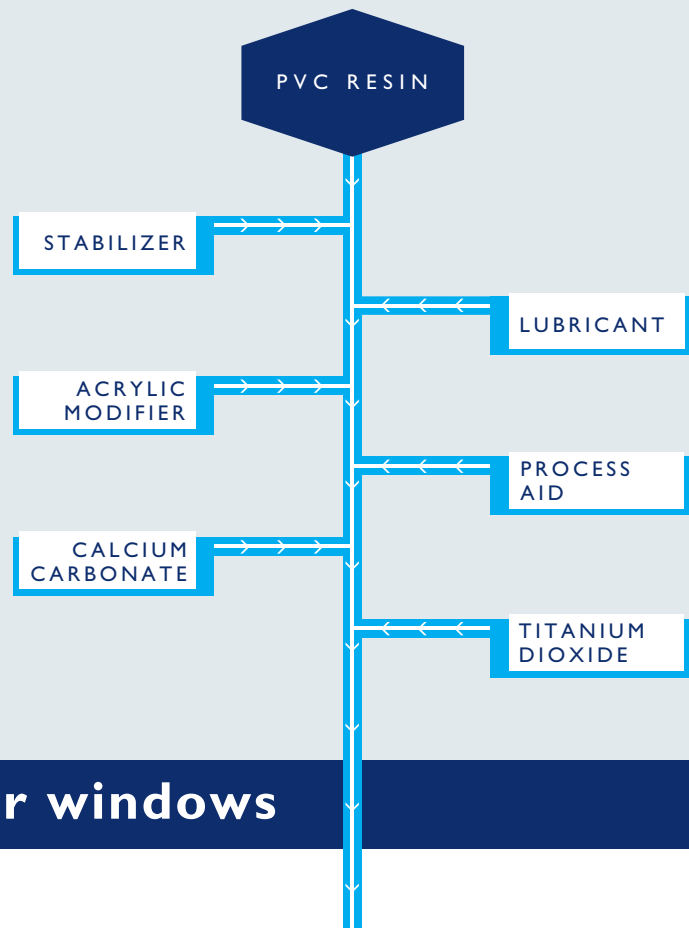
## What Makes Vinyl (PVC) Perform So Well in Coastal and Tropical Climates?

Vinyl windows are made from PVC (Poly-Vinyl-Chloride) compound. Many technological advances have been made to the blended compound to ensure the durability and performance of vinyl windows.

The multi-chambered vinyl product frames are designed to trap air, known to provide optimal insulating characteristics against heat transfer year round.

### Weathering and Color Retention

Over time colors can change or fade. Custom Windows' vinyl formulation technology minimizes color change over time, utilizing several key components such as Titanium Dioxide ( $\text{TiO}_2$ ), which is the major component in sunscreen.



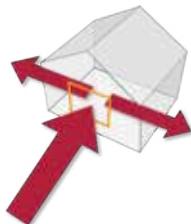
## It's like sunscreen for your windows



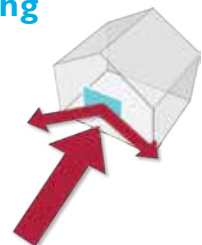
PVC resin and other micro ingredients are blended together to form PVC compound, which is used to produce our energy efficient windows.

## How Hurricane Impact-Resistant Windows Protects the Building

If the building envelope is breached through a broken window, wind may enter the building causing an increase in pressure that could lift the roof and push the walls outward.



WindPact Plus Hurricane Impact-Resistant windows helps to preserve the building envelope, keeping wind and other elements outside.



# GLASS TECHNOLOGY

## SAVE MONEY BY CHOOSING THE RIGHT GLASS TECHNOLOGY.

In addition to enhancing the beauty of your home, windows also possess important functional features. Low-E glass reflects heat back to its source, keeping unwanted solar heat gain from penetrating your home. [Compare our glass configuration to other systems.](#) Use the QR code to view a video of our configuration. ▶



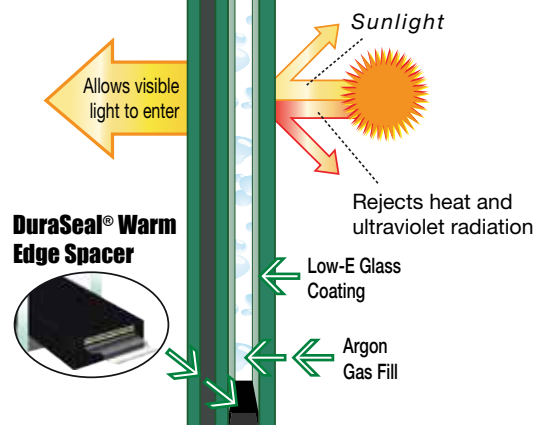
Custom applies the microscopic metallic layer on the outer pane of glass (which is optimal for windows in a hot climate), which minimizes heat gain and reflects heat back outside.

### LAMINATED INSULATED GLASS

#### Poly Vinyl Butural (PVB) Interlayer

INTERIOR →  
(Laminated)

← EXTERIOR  
(Non-Laminated)



### WHAT IS ARGON GAS?

Argon is a colorless, odorless, and nontoxic gas. It is inert and heavier than air. When filled in the insulating glass space, it forms a clear insulating barrier that assists in slowing the transfer of heat or cold. Custom puts argon gas in every WindPact Plus Series laminated insulated glass unit, providing an extra insulating layer in the glass system.

### LOW EMISSIVITY GLASS—EXPLAINED

The patented, state of the art sputtered coatings consist of either two or three layers of silver. These special coatings distinguish between desirable visible light against unwelcome ultra-violet rays resulting in the ultimate in solar heat and fading protection. The high transmission coatings are virtually clear, blocking the heat and reducing solar gain, while optimizing light transmission. In fact, the Low-E 270 and Low-E 366 coatings actually outperform the tinted glass often used in warm climates. In addition, because the Low-E glass transmits more natural light and reduces solar gain, you may be able to reduce both lighting and air conditioning electrical loads.





## BENEFITS

### ✓ Solar Control

- Decrease heat gain in your home from direct sunlight
- Control overall temperature levels year round
- Lessen energy costs from air conditioning

### ✓ Noise Reduction

- Reduce intrusive sounds from the outside, including traffic, aircraft and neighborhood noise

### ✓ UV Protection

- Laminated insulated glass blocks 99.7% of ultraviolet rays
- Protects hardwood floors and furniture from fading

### ✓ Insulation

- Non-conductive vinyl frame members and laminated insulated glass reduce conduction and resultant heat loss to a value far below other window frame materials.

## WindPact Plus Series Glass Systems

WindPact Plus<sup>®</sup> impact resistant laminated insulated glass with Low-E coatings filter out **99.7%** of the damaging ultraviolet rays that cause damage to furniture, draperies and carpeting. Our complete laminated insulated impact resistant glass program provides the competitive edge.

**Glass:** 5/16" thick laminated glass with a .090" poly-vinyl buteral (PVB) interlayer interior pane and a 1/8" exterior cap combine for a 7/8" overall laminated insulated glass unit.

**Spacer:** Custom features the Duraseal<sup>®</sup> spacer insulating glass edge seal system constructed using a unique composite laminating technology. This spacer system is a high performing, low conductivity warm-edge spacer that when combined with the WindPact Plus<sup>®</sup> energy-efficient vinyl frame creates the highest performing vinyl impact resistant window system available.

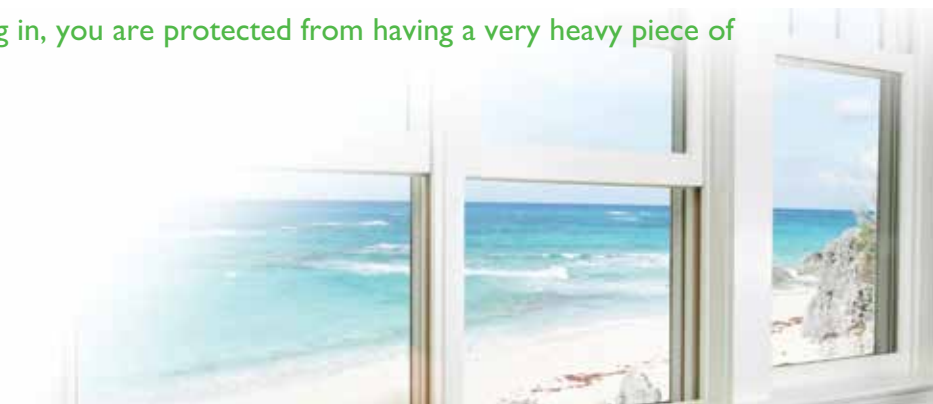
# VINYL IMPACT WINDOWS

## CHOOSE THE STRONGEST AND SAFEST VINYL IMPACT-RESISTANT SINGLE HUNG ON THE MARKET.

The WindPact Plus® single hung has been designed specifically for the coastal impact-resistant market not to tilt in, resulting in the strongest and safest vinyl impact-resistant single hung on the market. The sash recesses back into the frame, allowing for a much higher design pressure, instead of relying on small tilt latches to keep your sash intact when impacted. The average weight of a sash in an impact-resistant window is 35 lbs. By not tilting in, you are protected from having a very heavy piece of glass to support. ►



8100 Model



## VINYL WINDOWS

### 8100 SINGLE HUNG

- Oriel, Arch Top and Half Circle configurations available
- Continuous head and sill twin options
- Exterior beveled frame for architectural style (Single & Horizontal windows)
- Our Single Hung sliding windows are designed to slide effortlessly up or down on heavy duty block-and-tackle sash balances
- Integral lift handles on top and bottom rails for ease of operation
- Large sizes – up to 53.125" wide and 96" tall

### 8200 HORIZONTAL SLIDER

- Configuration options: OX, XO, XOX
- XOX window is available as 1/3 1/3 1/3 or 1/4 1/2 1/4
- XOX sliders maximum width is 111" x 63"
- For large areas, our three lite slider opens at both ends for optimal visibility and ventilation
- Integral lift handles on both side rails for ease of operation



8200 Model

## CONFIGURATIONS:

8100 Single Hung  
& Single Hung Oriel8100 Twin  
Single Hung8100 Circle & Arch  
Top Single Hung

8200 Horizontal Slider &amp; 8200 Slide-Picture-Slide





8100 Model

## BENEFITS & OPTIONS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **High design pressures**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" laminated glass with argon gas for superior ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **High performance Duraseal® spacer system**
  - Excellent thermal performance and energy efficiency
  - Keeps windows clearer longer

- ✓ **Added Security ▶**
  - Dual-action, self-locking sash locks
- ✓ **Durability and Resistance from the elements**
  - Exterior-glazed, fusion welded frame and sash
  - Weather-stripped interlock with dual seal sash to frame, creates a positive seal keeping out harsh elements
- ✓ **Rugged BetterVue® Screen Standard**
  - 10% better insect protection – 20% better airflow – 10% clearer view
  - BetterVue® screen will not rust, corrode or stain.



### FRAME COLORS



### ChromaCote

Our ChromaCote paint process is our own proprietary technology developed specifically for PVC. The resin is a blend of polyurethane and acrylic that results in a highly durable application which is much harder and scratch resistant to other painted vinyl windows. This process has a texturing agent that gives the extrusion a matte finish with a textured feel. In addition, we have incorporated special heat reflective properties which keep the PVC profiles from distorting when exposed to heat and sunlight.

### GRID MATERIAL



◀ **Classic SDL** (Simulated Divided Lite)

#### Contour Exterior ▶

Contour exterior with contour grid between the glass. Available in all frame colors.



### GLASS COLORS

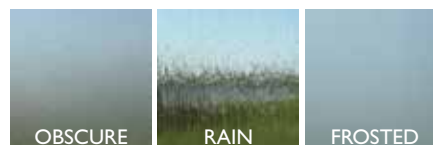


Also available: Clear, Bronze, Light Gray, Sun, Azurelite Blue

### BETWEEN THE GLASS GRIDS



### GLASS FINISHES



# VINYL IMPACT WINDOWS

## OFFERING A PICTURE PERFECT WINDOW WITH STYLE, SOPHISTICATION AND DURABILITY.

Our WindPact Plus® Casement and Awning windows offer style, sophistication and durability. Mix them with our Picture window model for maximum viewing possibilities and add some architectural shapes for elegant curb appeal. **These windows will offer both beauty and style, free of viewing obstructions.**



8400 Model Above—8300 Model Below



## VINYL WINDOWS

### 8150/8300 PICTURE WINDOW

- Combination units available
- Also specializing in windows for historical districts
- 8150 flange profile has a 1/2" lower beveled architectural protrusion on the face of the flange than the 8300 frame
- 8150 frame has same outer frame extrusion as 8100 SH and 8200 HS
- 8300 resembles the 8400 Casement and 8450 Awning

### 8400 CASEMENT— 8450 AWNING

- Combination units available
- Exterior beveled frame for architectural style
- Extruded Florida flange, nail fin or box frame

## CONFIGURATIONS:



8400 Casement



8450 Awning



8150 Picture Window



8300 Picture Window





8400 Model

# BENEFITS & OPTIONS

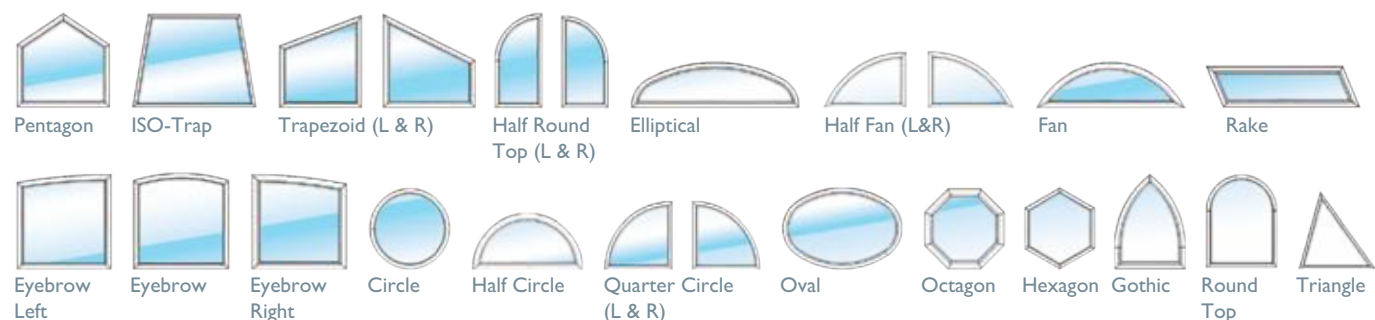
- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **High design pressures**
  - Design pressures up to +/- 70
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" laminated glass (1" on Picture Windows) with argon gas for superior ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **High performance Duraseal® spacer system**
  - Excellent thermal performance and energy efficiency
  - Keeps windows clearer longer

- ✓ **Open with ease ▶**
  - Casement and Awning windows feature a low-profile operator
- ✓ **Durability and Resistance from the elements**
  - Exterior-glazed, fusion welded frame and sash
- ✓ **Rugged BetterVue® Screen Standard**
  - 10% better insect protection—20% better airflow
  - 10% clearer view
  - BetterVue® screen will not rust, corrode or stain.



OPTIONS ARE THE SAME AS THE SINGLE HUNG AND HORIZONTAL SLIDING WINDOWS—PLEASE VIEW ALL OPTIONS ON PAGE 9

## PICTURE WINDOW SHAPES:

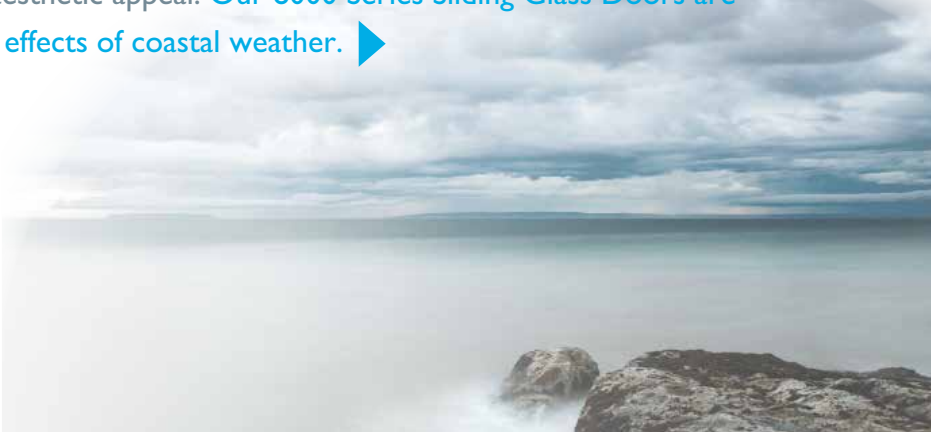




# VINYL IMPACT DOORS

DESIGNED TO LAST A LIFETIME PROVIDING YOU WITH PROTECTION AND BEAUTY.

Our 8000 Series Vinyl Sliding Glass Doors are high-impact and high-performance, combining the perfect balance of superior craftsmanship and aesthetic appeal. Our 8000 Series Sliding Glass Doors are constructed to withstand the damaging effects of coastal weather. ▶



## VINYL DOORS

### 8900 SLIDING GLASS DOOR

- Constructed with weather resistant vinyl frame, panel and interlock.
- Configurations: XO, OX, OXO, OXXO, OOX, XOO
- Welded frames optional.
- Design pressures up to +/- 60.

### 8800 SLIDING GLASS DOOR

- All vinyl weather resistant frame and panel construction.
- Custom sizes available.
- Options for 2, 3 and 4 tracks.
- Stainless steel, premium adjustable tandem roller system.
- Multi-track screen system for all sizes.
- Design pressures up to DP  $\pm 80$ .
- Multiple configurations up to 9 panels, including single or double pocket options.
- Large sizes available up to 40' wide.
  - Up to 5' wide panels limited to a maximum 8' door height.
  - Up to 10' high door limited to a maximum 4' panel width.

### Configurations:



8900 OX  
Sliding Glass Door



8800 OX  
Sliding Glass Door





## BENEFITS & OPTIONS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **High design pressures**
- ✓ **Available with LE270, LE366 or LE340 glass**
  - 1" laminated glass with argon gas for superior ultraviolet and thermal protection.
- ✓ **High performance Duraseal® spacer system**
  - Excellent thermal performance and energy efficiency.
  - Keeps glass clearer longer.
- ✓ **Maximum Natural Lighting**
  - Constructed to feature benefits of effortless cleaning and maximum natural lighting.

- ✓ **Durability and Resistance from the elements**
  - Exterior glazed, fusion welded panels.
  - Weather-stripped interlock with dual seal sash to frame, creates a positive seal keeping out harsh elements.
  - Covered weep holes in sill control water penetration and drainage.

### ✓ Premium Roller – As Option

- Choose from our standard size stainless steel roller system or premium roller option with larger wheels for even smoother operation.
- \*S.S. Premium Roller is standard on 8800 Series.



Stainless Steel Roller



S.S. Premium Roller

### FRAME COLORS



### GLASS COLORS



Also available: Clear, Bronze, Light Gray, Sun, Azurelite Blue

### HANDLE OPTIONS:



White handle.  
Standard.



Bronze handle.  
Standard.



Oil Rubbed  
Bronze.  
Optional.

SEE GRID MATERIAL AND GLASS FINISHES ON PAGE 9

# VINYL SWING IMPACT DOORS

## BUILT TO TAKE IT.

Our hinged Swing and French Doors offer you the most unique door system available. Combining energy efficiency and structural integrity, the Prestige Collection stands alone in the industry. This door protects you from hurricanes, intruders and high energy bills with state of the art technology and design. This door is designed and built in Florida for coastal markets and as you can imagine, a hinged door requires plenty of extra engineering and structural reinforcement to outlive hurricane-force winds and flying debris. So, despite their stylish good looks and effortless operation, our swinging hinge doors are built to take it. ►

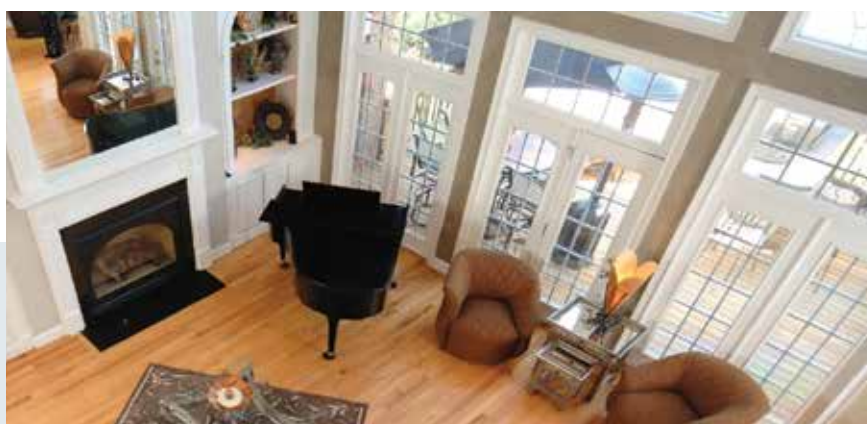
### Shoot Bolts

Wraparound, triple laminated shoot bolts activate with the multi-point locking system.



### TRUE MULTI-POINT SYSTEM

5 or 6 different strategically placed claws and bolts engage when the handle is activated to pull the panel tight creating a snug, tight and secure fit.



## VINYL SWING DOORS

### 8700 SWING DOOR

- Single Panel Swing Door

### 8710 FIXED SIDELITE

- Simple self-mating attachment system

### 8750 FRENCH DOOR

- Two panel French Door

### Thermally Broken Frame – Vinyl Panel

The thermally broken aluminum mainframe provides strength and reinforcement for the hinges while also providing optimal thermal efficiency.



### Full Adjustable Hinges

The hinges are fully adjustable in either horizontal or vertical directions to allow for simple and easy installation and for smooth, effortless operation.





THE PRESTIGE DOOR MEETS ALL ENERGY STAR® REQUIREMENTS.

# BENEFITS & OPTIONS

- ✓ **Complete Door System**
  - Single Swing Door or Double French Door
  - Outswing only
  - Operable Sidelite or Unequal Operable Panels
- ✓ **Frame Components**
  - Thermally broken aluminum insulbar mainframe
  - 4-9/16" frame jamb depth
  - Minimal 2" clear anodized sill height
  - Full length snap cover to hide install screws
- ✓ **Panel Components**
  - Extruded cellulose PVC vinyl panel
  - Reinforced with aluminum alloy
- ✓ **Performance Testing & Sizing**
  - HVHZ (High Velocity Hurricane Zone) tested
  - 8700 Swing Door DP +/- 90 up to 38" x 96.75"
  - 8750 French Door DP +/- 60 up to 99" x 96.75"

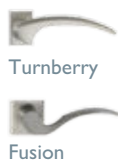
- ✓ **Hardware**
  - Adjustable hinges – vertical and horizontal
  - Eurogroove multi-point locking system
    - 4 point (up to 81")
    - 5 point (over 81")
- ✓ **Extra Facts**
  - Withstands hurricane force winds with an impressive structural performance rating up to DP+/-90
  - Solid cellular PVC panels reduce the transfer of heat or cold for optimum energy efficiency
  - Semi-active operation comes standard with handle activated multi-point locking system providing for maximum security

## HANDLE OPTIONS

Colors:



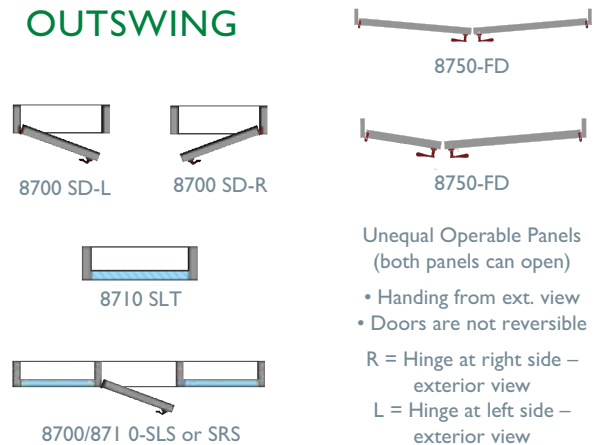
Handle Styles:



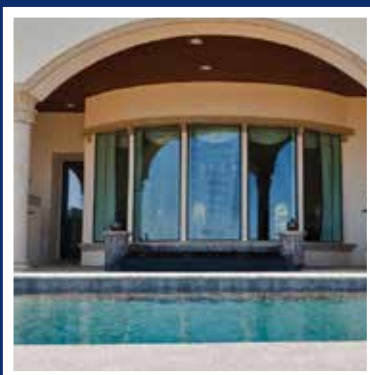
## FRAME COLORS



## OUTSWING



SEE GRID MATERIAL, GLASS COLORS, AND GLASS FINISHES ON PAGE 9



*Your Custom Window System dealers are window and door professionals and are available to help you choose the best WindPact Plus products.*

**To find the dealer nearest you, call 1.800.327.3086 or visit our website [www.CWS.cc](http://www.CWS.cc)**



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OCALA, FL 34474  
1.800.327.3086 • [www.CWS.cc](http://www.CWS.cc)



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