

WINDPACT[®]
PLUS

IMPACT RESISTANT
VINYL WINDOWS & DOORS

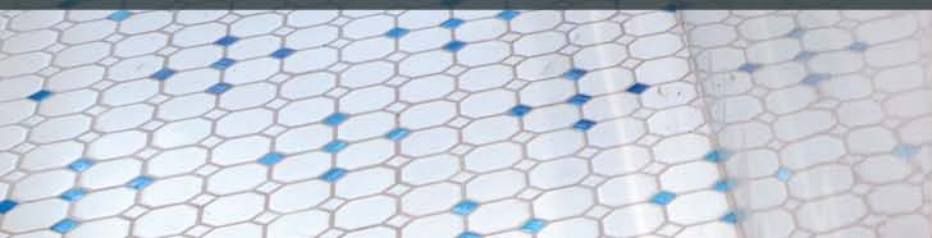


Custom[®]
WINDOW SYSTEMS 

1.800.327.3086 • 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 225,000 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.



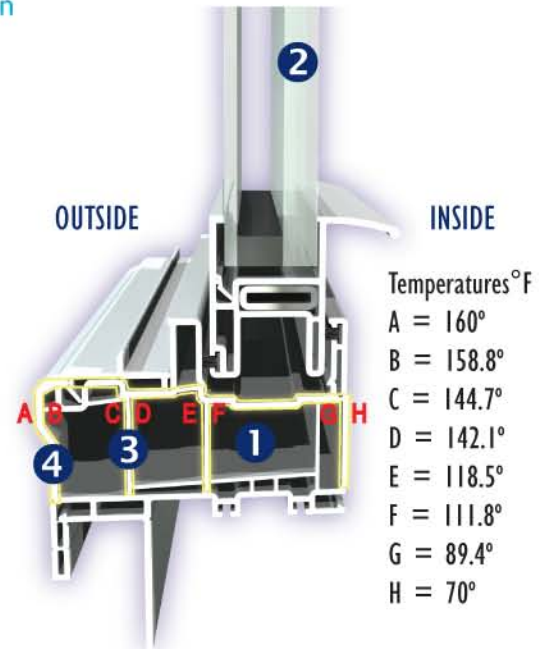
CHOOSE VINYL WINDOWS

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.



CHOOSE VINYL

✓ Increased Energy Efficiency

- All Custom vinyl windows are AAMA and NFRC certified, and are compliant with ENERGY STAR®
- The features listed helps satisfy LEED™ credits.

✓ Low Maintenance

- Vinyl windows are extremely durable, resisting rotting, chipping, peeling and corrosion, and are not susceptible to insect or fungus attack.
- Vinyl's ability to be cleaned easily and thoroughly with mild soap and water makes it a popular material for use in hospitals and other health care environments.

✓ Noise Reduction

- High Sound Transmission Coefficient ratings
- Laminated insulated glass reduces exterior sounds
- Vinyl frames absorb sound

✓ Safety And Security

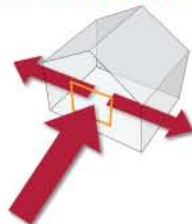
- Safety from flying debris
- Forced entry resistance—keep intruders out
- Laminated glass is on the inside of the house protecting your home and family from sharp pieces of glass

✓ Hurricane Protection

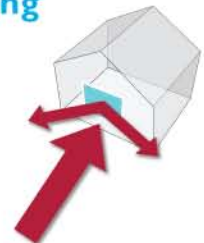
- Available with high structural ratings that outperform other impact windows.
- Custom Window Systems' doors and windows have been tested to the stringent requirements of the Florida Building Code and have obtained Florida Product Approvals allowing our products to be used throughout the state, including the High Velocity Hurricane Zone (HVHZ).

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.

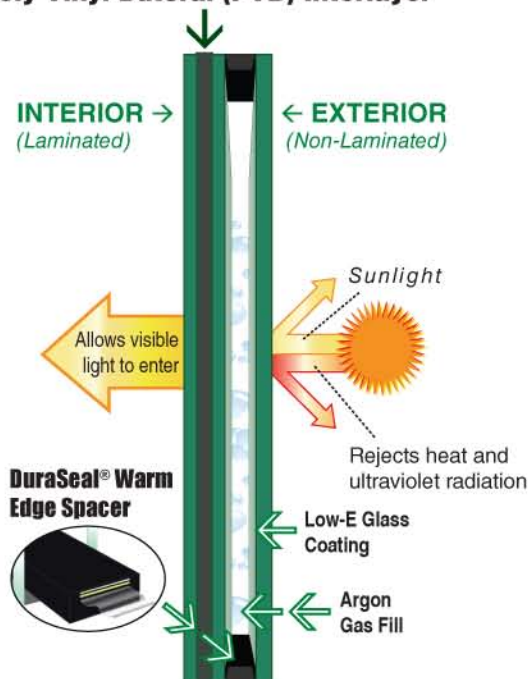
In addition to enhancing the beauty of your home, windows also possess important functional features. Low-E glass reflects heat back to its source, keeping unwanted solar heat gain from penetrating your home. [Compare our glass configuration to other systems.](#) Use the QR code to view a video of our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



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[®] 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[®] 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[®] 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



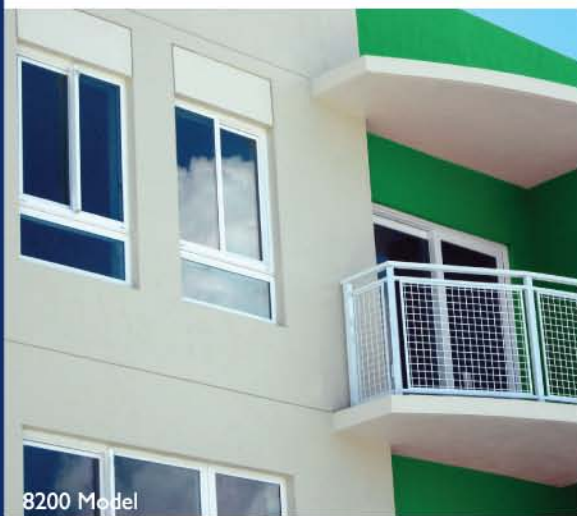
VINYL WINDOWS

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
- Design pressures up to +/- 100

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
- 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
- Design pressures up to +60/-75



8200 Model

CONFIGURATIONS:



8100 Single Hung & Single Hung Oriel



8100 Twin Single Hung



8100 Circle & Arch Top Single Hung



8200 Horizontal Slider & 8200 Slide-Picture-Slide



8100 Model

BENEFITS & OPTIONS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **High design pressures**
- ✓ **Available with Low-E glass (270, 240, 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



Our bronze exterior color has a special UV cured technology that is 7 times harder than paint—making it the most durable applied coating available.

ChromaCote

Available in all of our ChromaCote veneer colors.



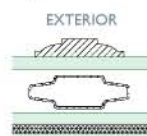
GRID MATERIAL



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

Contour Exterior ▶

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



BETWEEN THE GLASS GRIDS



GLASS COLORS



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

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



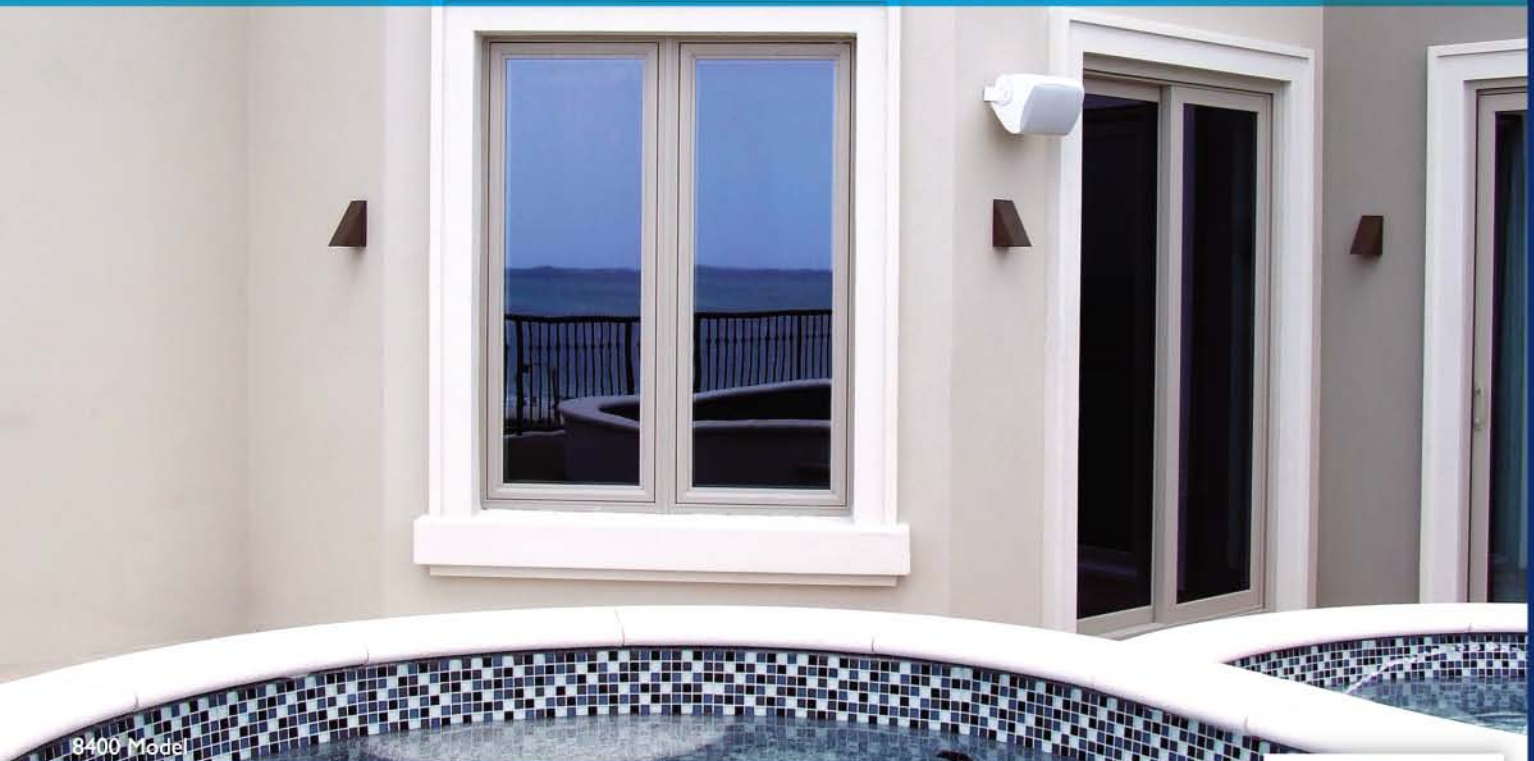
8450 Awning



8150 Picture Window



8300 Picture Window



8400 Model

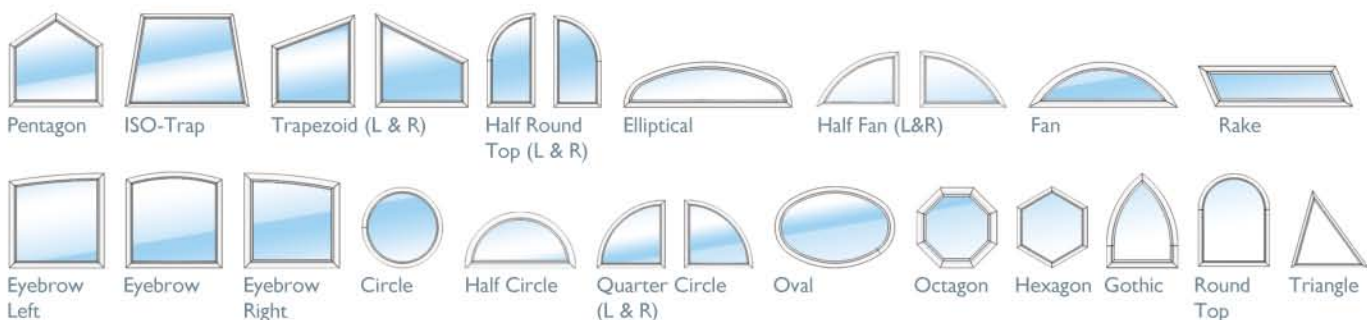
BENEFITS & OPTIONS

- ✔ **Meets or exceeds all Energy Star® standards**
- ✔ **High design pressures**
 - Design pressures up to +/- 75
- ✔ **Available with Low-E glass (270, 240, 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 WindPact Plus® Vinyl Sliding Glass Doors are high-impact and high-performance, combining the perfect balance of superior craftsmanship and aesthetic appeal. Our WindPact Plus® Sliding Glass Doors are constructed to withstand the damaging effects of coastal weather. ▶



8940 Model



8940 Model

VINYL DOORS

8900 SLIDING GLASS DOOR

- Constructed with weather resistant vinyl frame, panel and interlock
- Configurations: XO, OX, OXO, OXXO, OOX, XOO, OOXO
- Screen Track: Outside
- Design pressures up to +/- 60

8940 SLIDING GLASS DOOR

- Constructed with a heavy-duty aluminum interlock and weather resistant vinyl frame and panels
- Any configuration up to 8 panels
- Custom sizes available
- Available with an infinite number of tracks
- Screen Track: Inside (optional) — modular outer frame. Minimum 5 1/4" track depth without screen track. The unique inside screen track protects against damaging effects of coastal weather.
- Design pressures up to +/- 70 at 192" x 96"
- Design pressures up to +/- 120 at 96" x 96"

CONFIGURATIONS:

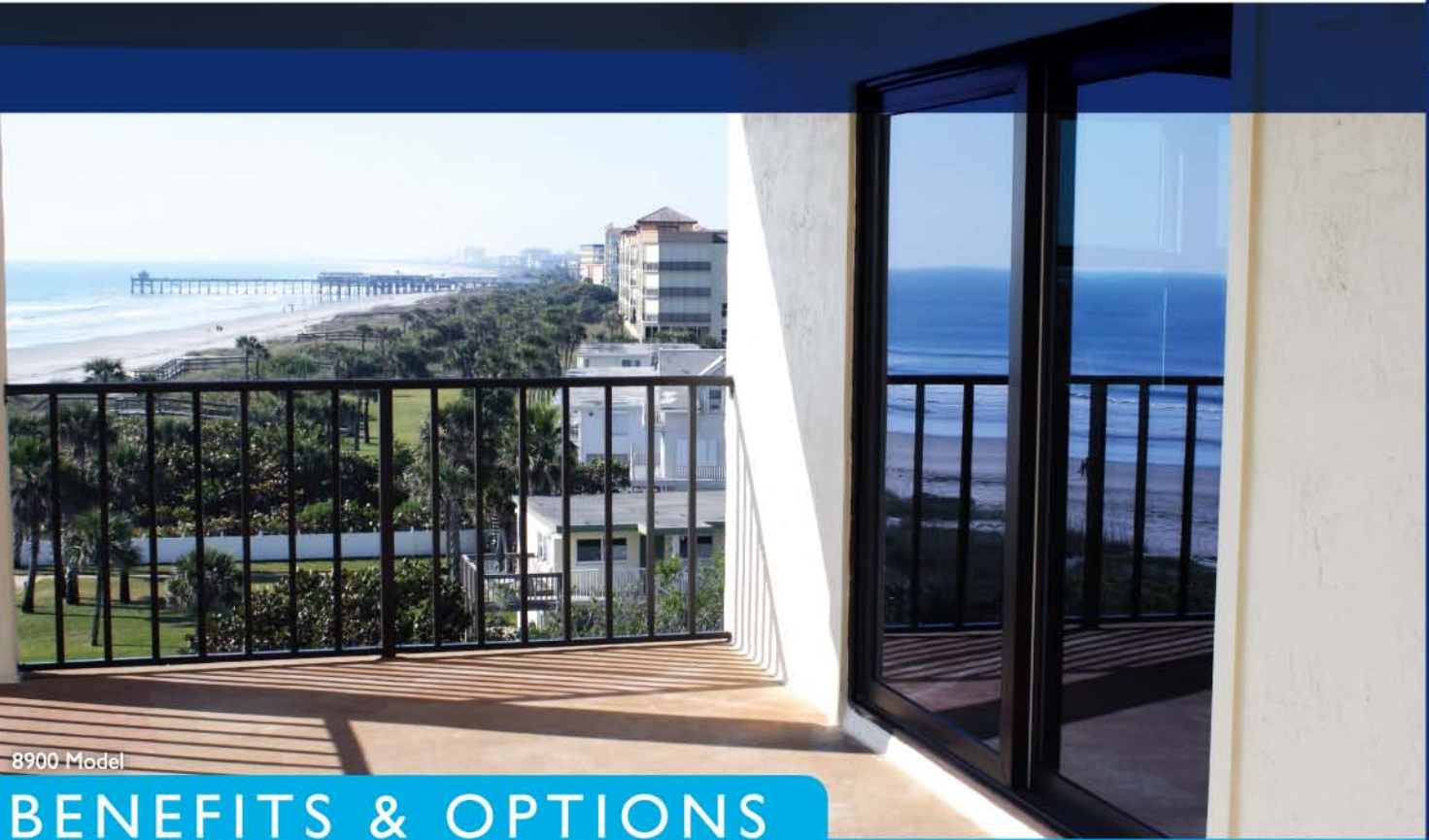


8900 OX
Sliding Glass Door



8940 OX
Sliding Glass Door





8900 Model

BENEFITS & OPTIONS

- ✓ **Meets or exceeds all Energy Star[®] standards**
- ✓ **High design pressures**
- ✓ **Available with Low-E glass (270, 240, 366)**
 - 1" laminated glass with argon gas for superior ultraviolet and thermal protection
- ✓ **High performance Duraseal[®] spacer system**
 - Excellent thermal performance and energy efficiency
 - Keeps windows 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 frame and sash
 - 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.



Stainless Steel Roller



S.S. Premium Roller

FRAME COLORS



ChromaCote[®]

Available in all of our ChromaCote veneer colors. Our bronze exterior color has a special UV cured technology that is 7 times harder than paint—making it the most durable applied coating available.

HANDLES



Standard (Exterior/Interior)

Satin Nickel Olympus

Flush Mount

Sigma

Omega

GLASS COLORS



LoE 270
Lets light in, heat stays out

LoE 240
Low glare, high protection

LoE 366
The best heat protection

Neat[®]
Naturally clean coating

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

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

ALUMINUM IMPACT DOORS

DESIGNED TO INSPIRE AND IMPRESS.

Our WindPact Plus® Aluminum Sliding Glass Doors are crafted using the highest-end materials, resisting deterioration from harsh weather conditions and normal wear-and-tear. They are not only built to meet or exceed building code requirements, but are also presented in classic or contemporary styles. ▶



8920 Model



ALUMINUM DOORS

8920 SLIDING GLASS DOOR

- Constructed with aluminum frame, vinyl panels and aluminum interlock
- Configurations: Bypass, Pocket, Corner (90/135° Angle)—
- Any configuration up to 8 panels
- Design pressures range from +/- 67.5 to +/- 120

8950/8960 SLIDING GLASS DOOR

- Constructed with aluminum frame, panels and interlock—
- 8950: 3" aluminum profile
- 8960: 5" aluminum profile
- Configurations: Bypass, Pocket, or Double Pocket
- Design pressures range from +/- 67.5 to +/- 120

CONFIGURATIONS:



8920 OX
Sliding Glass Door



8960 OX
Sliding Glass Door



8920 Model



8920 Model

BENEFITS & OPTIONS

- ✓ **Meets or exceeds all Energy Star[®] standards**
- ✓ **High design pressures**
- ✓ **Available with Low-E glass (270, 240, 366)**
 - 1" laminated glass with argon gas for superior ultraviolet and thermal protection
- ✓ **High performance Duraseal[®] spacer system**
 - Excellent thermal performance and energy efficiency
 - Keeps windows clearer longer
- ✓ **Classic or Contemporary**
 - Choose your thickness in frames for a classic or contemporary look
- ✓ **Durability and Resistance from the elements**
 - Weather-stripped interlock with dual seal sash to frame, creates a positive seal keeping out harsh elements
- ✓ **Premium Roller - As Option** ▶
 - Choose from our standard size stainless steel roller system or premium roller option with larger wheels for even smoother operation. (8960 standard option: premium nylon roller)



Stainless Steel Roller



S.S. Premium Roller

HANDLES— 8950, 8960 MODELS ONLY ▶



Standard
(Exterior/Interior)

HANDLES—8920 MODEL ONLY



Standard
(Exterior/Interior)

Satin Nickel
Olympus

Flush
Mount

Sigma

Omega

FRAME COLORS



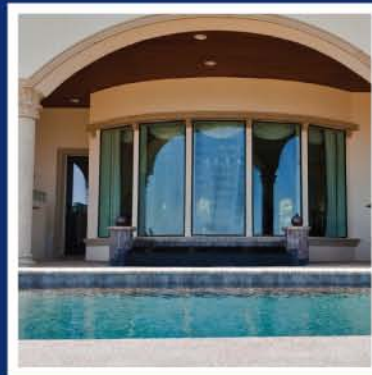
WHITE

BRONZE

ADOBE

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

8920 is only available in white and adobe.
Verify color availability with Inside Sales.



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



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