



**STORMSTRONG**  
VINYL WINDOWS & DOORS

**IMPACT RESISTANT**  
REPLACEMENT & NEW CONSTRUCTION



STORMSTRONG

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

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



**HIGH QUALITY, ENERGY EFFICIENT,  
IMPACT RESISTANT WINDOWS AND DOOR**

# Quality Service Innovation.

Our Storm Strong impact-resistant windows and doors are scientifically researched, engineered and tested to meet and exceed increasingly stringent coastal regulations.

We feel that products, and more importantly, the people behind those products are an integral part of our company.

Superior Quality is built in at every level of the process, from Customized Service to Engineering to Service After the Sale.



**STORMSTRONG**  
VINYL WINDOWS & DOORS

by **Custom**  
WINDOW SYSTEMS 



# 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.



### 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 Storm Strong Series laminated insulated glass unit, providing an extra insulating layer in the glass system.

### LOW EMISSIVITY GLASS—EXPLAINED

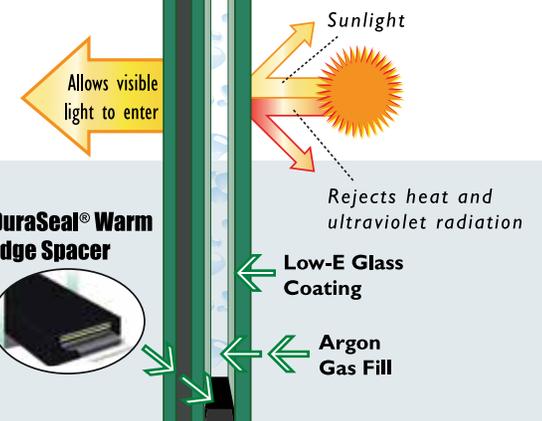
The patented, state of the art sputtered coatings consist of either two or three layers of silver. These special coatings distinguish between desirable visible light against unwelcome ultra-violet rays resulting in the ultimate in solar heat and fading protection. The high transmission coatings are virtually 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.

### LAMINATED INSULATED GLASS

Poly Vinyl Buteral (PVB) Interlayer

Interior →  
(Laminated)

← Exterior  
(Non-Laminated)





## 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 harmful 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.



# CHOOSE VINYL WINDOWS

## ENERGY EFFICIENT WITH VALUE

Vinyl windows are widely accepted and account for 68% of the entire residential window market.\*

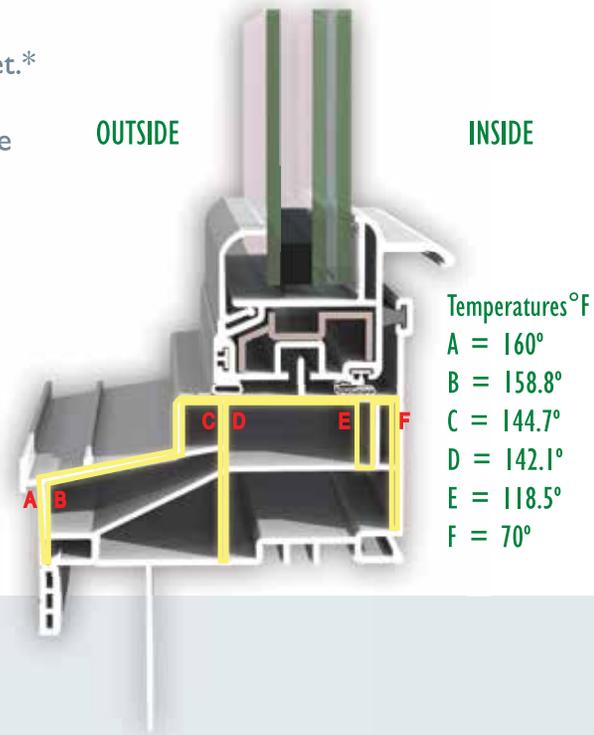
Vinyl, as a building material, has revolutionized the building industry because it offers remarkable versatility. It can be flexible, yet rigid, and produced in a wide variety of colors and styles.

According to the 2014 Cost vs. Value Report by Remodeling Magazine, the value that replacing your old windows with new vinyl replacement windows retains at resale of your home in Florida is 85.8% vs. the national average of 77.7%.

\*2012 AAMA/WDMA U.S. Industry Market Studies



While outside surface temperature changes, the inside stays at room temperature, and because vinyl is a good insulator, there is minimum expansion and contraction. The multi-chambered vinyl product frames are designed to trap air, known to provide optimal insulating characteristics against heat transfer year-round.



### WHY VINYL?

The popularity of vinyl is due largely to energy efficiency. Vinyl is an effective thermal insulator and is well recognized as an excellent frame material for energy efficient windows. The National Fenestration Rating Council (NFRC) and the Department of Energy (DOE), have developed rating systems for measuring how energy efficient a window is.

One of the important NFRC tests is the U-Value of the window which measures the window's resistance to heat flow. The lower the U-Value, the greater the insulating value of the window.

Another critical NFRC test measures the Solar Heat Gain Coefficient (SHGC). This measures how well a window blocks heat caused by sunlight. The lower the number, the less of the sun's solar heat transmits through the window into the home.



## BENEFITS

### ✓ **\*Hurricane Protection**

- Built to withstand multiple blasts from a 9 lb. wood beam shot at 34 mph
- The glass stays in the frame following the extreme winds of a major hurricane to protect your home
- If the impact-resistant glass cracks, a durable interlayer keeps the window intact

### ✓ **Noise Reduction**

- The laminated insulated glass and multi-chambered vinyl frames absorb and reduce unwanted exterior sounds

### ✓ **UV Ray Protection**

- Laminated insulated glass blocks 99.7% of all UV rays protecting your hardwood floors and furniture from fading

### ✓ **Safety and Security**

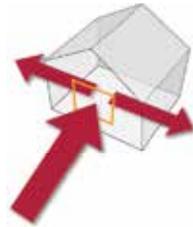
- Laminated impact-resistant glass provides safety from flying debris
- Forced entry resistance—keep intruders out
- Laminated glass is placed on the interior side of your home protecting your family from dangerous pieces of flying glass

### ✓ **Increased Energy Efficiency**

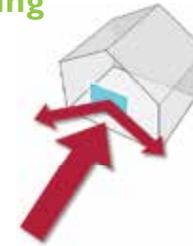
- Vinyl frames and laminated, insulated glass reduce the transfer of heat from the outside into your home
- Storm Strong impact windows are AAMA and NFRC certified, and are compliant with ENERGY STAR® standards
- The features listed helps satisfy LEED™ credits.

## 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.



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



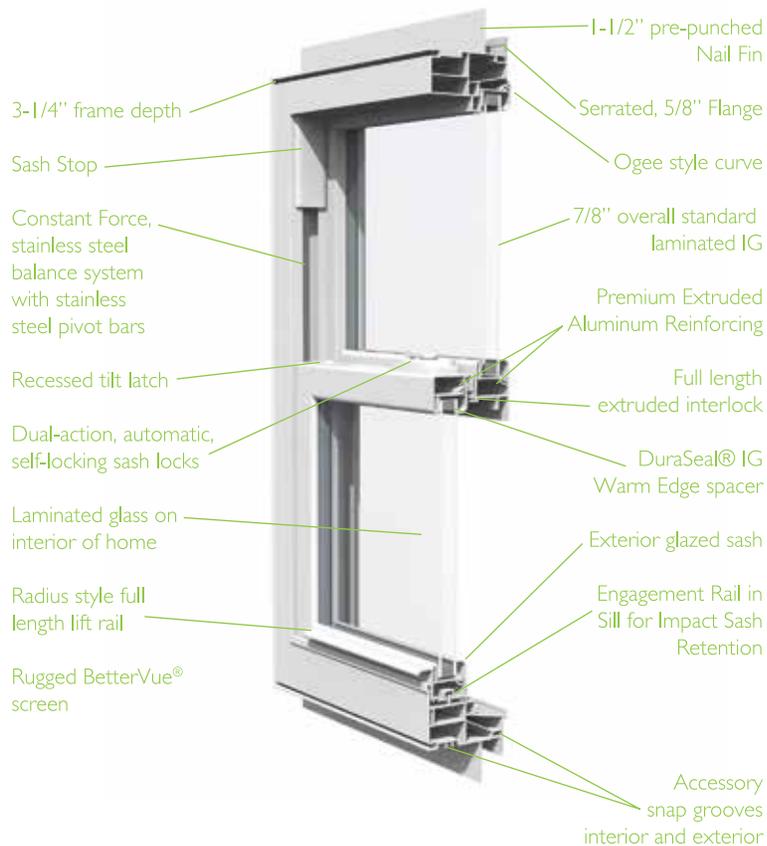
\*All Custom Window Systems' windows are manufactured to the stringent testing guidelines set forth by the American Architectural Manufacturers Association (AAMA), the National Fenestration Rating Council (NFRC), and the hurricane impact-resistant protocol of the Florida Building Code.



# VINYL IMPACT SINGLE HUNG WINDOWS

## A PREMIUM EXPRESSION.

These windows are built with a clean, classic look and durability to last a lifetime. A constant force, stainless steel balance system allows for smooth and easy operation so that you won't have to struggle while attempting to feel the breeze from the outdoors. Our high performing single hung windows are built to tilt-in allowing for easy cleaning from indoors. ►



Automatic Self-Locking Sash Locks

## VINYL WINDOWS

### 6100 Series Single Hung New Construction and Replacement

- Dual-action, automatic, self-locking sash locks ►
- Tilt Sash for easy cleaning
- 6150 Series Picture Window to complement the 6100 Single Hung

#### 6100 Series

##### Available Frame Types:

- 1-1/2" pre-punched Nail Fin
- 5/8" serrated, double walled Front Flange
- Fin/Flange combo
- Box Frame

#### Configurations:



Single Hung  
& Single Hung Oriel



Arch Top  
Single Hung



6150 Series  
Picture Window



## BENEFITS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" laminated glass with argon gas for ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **Energy efficient non-metallic spacer system**
  - Excellent thermal performance and energy efficiency
  - Keeps windows clearer longer
- ✓ **Constant Force stainless steel coil balance system**
  - Permits easy and quiet sash operation
  - Stainless steel pivot bars
- ✓ **Recessed tilt latches**
  - Allow you to easily tilt sash in for cleaning and provide for a cleaner sightline
- ✓ **Durability and Resistance from the elements**
  - Fusion-welded construction without fasteners for structural stability
  - Heavy-duty, dual fin weather-stripping at all points where vinyl meets vinyl protects against the elements
- ✓ **BetterVue® Half Screen Standard**
  - Extruded or roll form screen available
  - 10% better insect protection—20% better airflow—10% clearer view
  - BetterVue® screen will not rust, corrode or stain.

### Frame Colors:



### Grid Options:



Simulated Divided Lites (SDL)—Exterior Only Applied  
Double Applied (Interior and Exterior Applied)

### Glass Colors and Finishes:



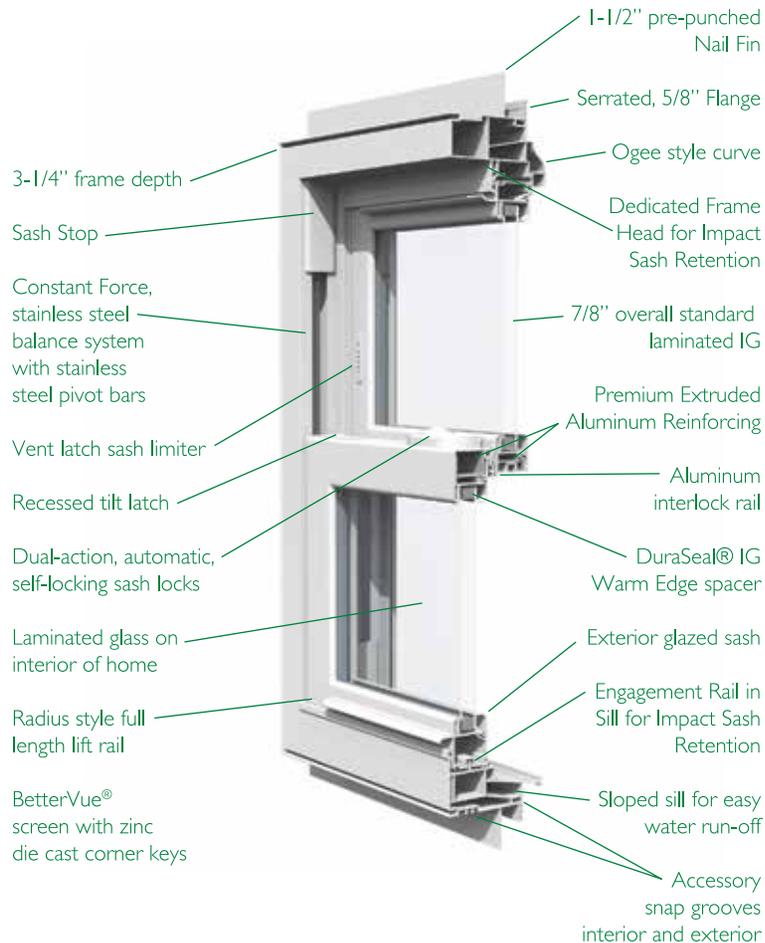
Also available:  
Clear, Bronze, Light Gray, Sun, Azurelite Blue  
Interlayer Colors: Clear, White, Gray, Bronze



# VINYL IMPACT DOUBLE HUNG WINDOWS

## DEFINITIVE FLAIR.

Our Double Hung windows allow you to easily slide your window up or down so that you may enjoy the sensation of the outdoors from your choosing, whether it be from the top or bottom of the window. The Double Hung features a rugged, extruded aluminum screen that fills the entire opening, keeping bugs out but the breeze in. **Both sash tilt-in allowing for easy cleaning from indoors.** ▶



## VINYL WINDOWS

### 6500 Series Double Hung New Construction and Replacement

- Dual-action, automatic, self-locking sash locks ▶
- Both sash tilt for easy cleaning
- 6550 Series Picture Window to complement the 6500 Double Hung

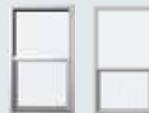


Automatic Self-Locking Sash Locks

### 6500 Series Available Frame Types:

- 1-1/2" pre-punched Nail Fin
- 5/8" serrated, double walled Front Flange
- Fin/Flange combo
- Box Frame

### Configurations:



Double Hung & Double Hung Oriel



6550 Series Picture Window



## BENEFITS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" laminated glass with argon gas for ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **Energy efficient non-metallic spacer system**
  - Excellent thermal performance and energy efficiency
  - Keeps windows clearer longer
- ✓ **Constant Force stainless steel coil balance system**
  - Permits easy and quiet operation
  - Stainless steel pivot bars
- ✓ **Recessed tilt latches**
  - Allow you to easily tilt sash in for cleaning and provide for a cleaner sightline
- ✓ **Durability and Resistance from the elements**
  - Fusion-welded construction without fasteners for structural stability
  - Heavy-duty, dual fin weather-stripping at all points where vinyl meets vinyl protects against the elements
- ✓ **BetterVue® Half Screen Standard (Full Available)**
  - Extruded or roll form screen available
  - 10% better insect protection—20% better airflow—10% clearer view
  - BetterVue® screen will not rust, corrode or stain.

See page 9 to view options (frame colors, grids, glass finishes and glass colors)



# VINYL IMPACT HORIZONTAL SLIDERS

## A DESIGN THAT IS UNSURPASSED.

Our high-impact, 6200 series Horizontal Sliding windows are built to perform. These windows have been designed with dual-action, automatic, self-locking sash locks for added security, as well as a monorail system using adjustable zinc rollers for smooth operation. The horizontal design along with its Ogee style curve offers beauty to match the performance. ►

### PERFORMANCE

- Excellent
- Good
- Average
- Poor



## VINYL WINDOWS

### 6200 Series Horizontal Sliders New Construction and Replacement

- Dual-action, automatic, self-locking sash locks
- 6550 Series Picture Window to complement the 6200 Horizontal Slider



Automatic Self-Locking Sash Locks

#### 6200 Series

##### Available Frame Types:

- 1-1/2" pre-punched Nail Fin
- 5/8" serrated, double walled Front Flange
- Fin/Flange combo
- Box Frame

#### Configurations:



Horizontal Slider  
(OX, XO, XX)



Slide-Picture-Slide  
(XOX)



6550 Series  
Picture Window



## BENEFITS

- ✓ **Meets or exceeds all Energy Star® standards**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" laminated glass with argon gas for ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **Energy efficient non-metallic spacer system**
  - Excellent thermal performance and energy efficiency
  - Keeps windows clearer longer
- ✓ **Monorail system**
  - Utilizing adjustable, twin tandem, needle bearing rollers permits easy and quiet operation
- ✓ **Recessed tilt latches**
  - Allow you to easily tilt sash in for cleaning and provide for a cleaner sightline
- ✓ **Durability and Resistance from the elements**
  - Fusion-welded construction without fasteners for structural stability
  - Heavy-duty, dual fin weather-stripping at all points where vinyl meets vinyl protects against the elements
- ✓ **BetterVue® Half Screen Standard (Full Available)**
  - Extruded or roll form screen available
  - 10% better insect protection—20% better airflow—10% clearer view
  - BetterVue® screen will not rust, corrode or stain.

See page 9 to view options (frame colors, grids, glass finishes and glass colors)



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

Our vinyl sliding glass doors are high-impact and high-performance, combining the perfect balance of superior craftsmanship and aesthetic appeal. Our vinyl sliding glass doors are constructed to provide large unobstructed views.



## VINYL DOORS

### 8900 SLIDING GLASS DOOR

- Constructed with weather resistant vinyl frame, panel and interlock
- Configurations: XO, OX, OXO, OXXO, OOX, XOO, OOXO
- 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, adjustable tandem roller system
- Multi-track screen system for all sizes
- 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 Low-E glass (270, 340, 366)**
  - 7/8" insulated glass with argon gas for 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

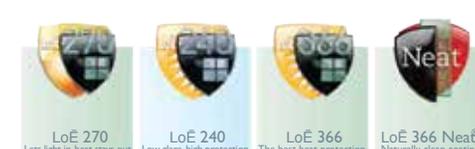


### HANDLES



White handle. Standard. Bronze handle. Standard. Oil Rubbed Bronze. Optional. Satin Nickel. Optional.

### GLASS COLORS



LoE 270 Lets light in, heat stays out. LoE 240 Low glare, high protection. LoE 366 The best heat protection. LoE 366 Nea® Naturally clean coating.

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



*Your Custom Window System dealers are window and door professionals and are available to help you choose the best Storm Strong 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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