



**ARIASERIES**

VINYL WINDOWS & DOORS

**NON-IMPACT RESISTANT**  
REPLACEMENT & NEW CONSTRUCTION



ARIASERIES



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





HIGH QUALITY, ENERGY EFFICIENT  
WINDOWS AND DOORS





# We have earned our reputation by manufacturing the highest quality windows and doors since 1986.

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.

Our Mission is to continue providing high quality products to families across America so that they can feel safe and secure knowing that their home is protected by a trusted name.





# ENVIRONMENTALLY SENSITIVE

## USE LESS ENERGY AND CREATE LESS WASTE.

Vinyl can be reused and recycled repeatedly throughout its long life cycle. Scrap created during our manufacturing process can be recycled into many other vinyl products, reducing the strain on the environment. More than 99% of all manufactured vinyl compound ends up in a finished product, due to recycling. The use of vinyl saves more than 40 million barrels of oil per year compared to other alternatives.\*

\*Vinyl Institute



## WE LEAVE A BIG IMPRESSION WITH A SMALL FOOTPRINT

Nearly all of our glass scrap is captured and recycled, ensuring that our footprint on the environment remains small.

Low-E coatings are composed of a microscopic metallic layer applied to the glass. CWS applies the Low-E on the outer pane of glass (which is optimal for windows in a hot climate), which minimizes heat gain and reflects heat back outside. Low-E glass is much more energy-efficient than clear, uncoated glass and helps keep your home cooler while using less fossil fuel and protecting the environment.

## WHAT IS ARGON GAS?

Argon is a colorless, odorless, and nontoxic gas. When filled in the insulating glass space, it forms a clear insulating barrier that assists in slowing the transfer of heat or cold. CWS puts argon gas in every Aria product we produce as a standard feature, providing an extra insulating layer in the glass system.







# CHOOSE VINYL WINDOWS

## ENERGY EFFICIENT WITH VALUE

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

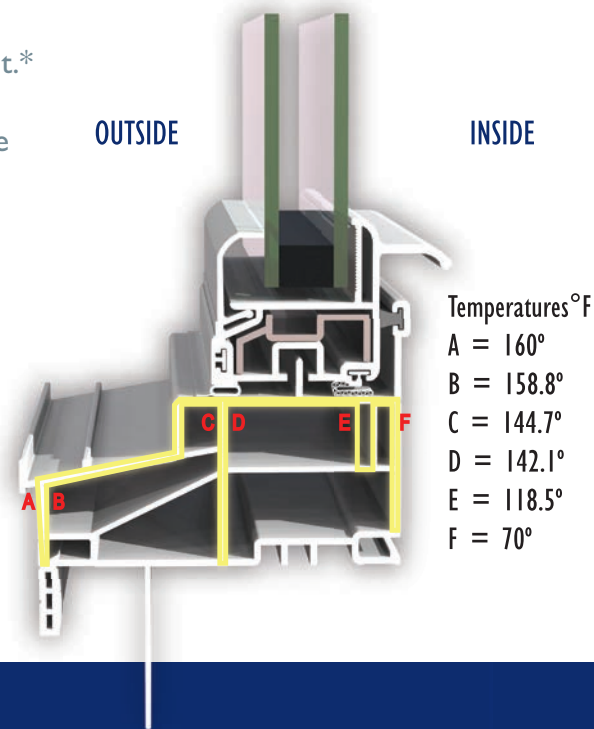
Vinyl, as a building material, has revolutionized the building industry because it offers remarkable versatility. It can be flexible, yet rigid, and produced in a wide variety of colors and styles.

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.

Our windows meet or exceed the stringent requirements of Energy Star® for u-value and SHGC.



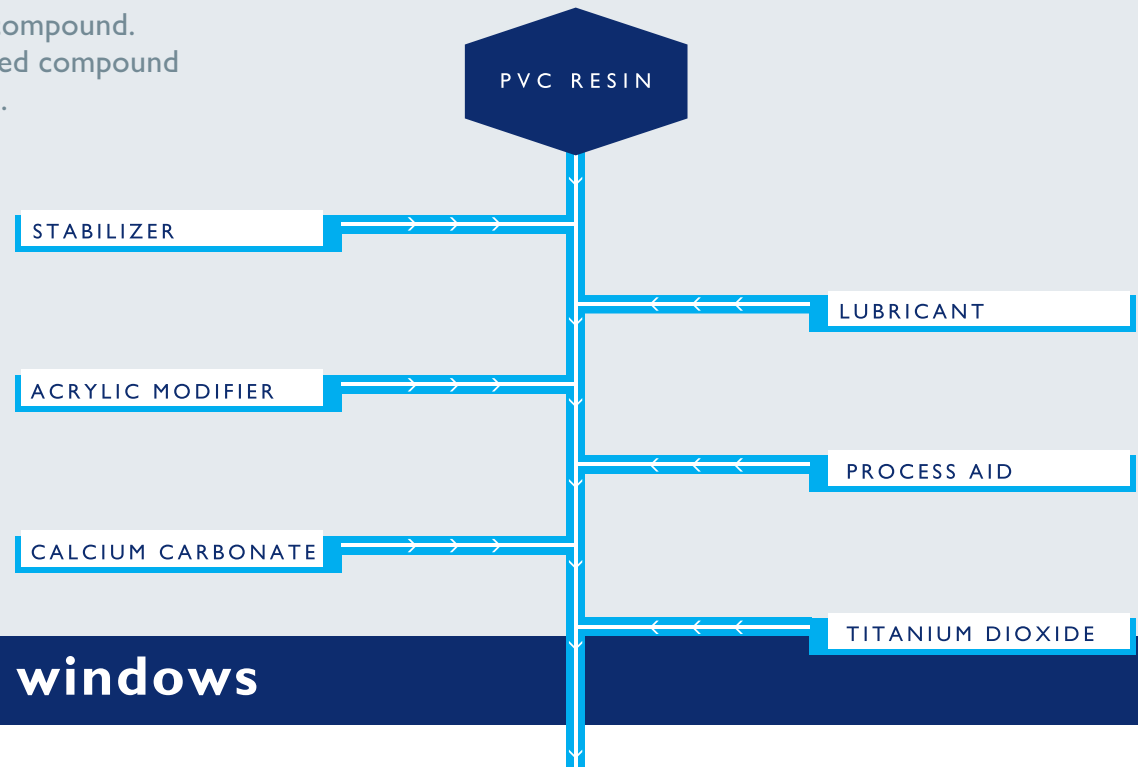
## What Makes Vinyl (PVC) Perform So Well in Coastal and Tropical Climates?

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.

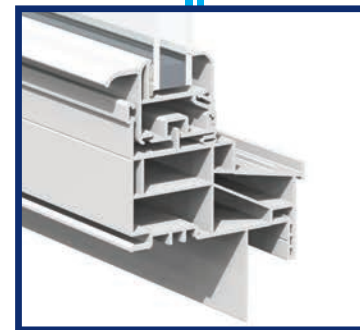
The multi-chambered vinyl product frames are designed to trap air, known to provide optimal insulating characteristics against heat transfer year round.

### Weathering and Color Retention

Over time colors can change or fade. CWS' vinyl formulation technology minimizes color change over time, utilizing several key components such as Titanium Dioxide (TiO<sub>2</sub>), 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.

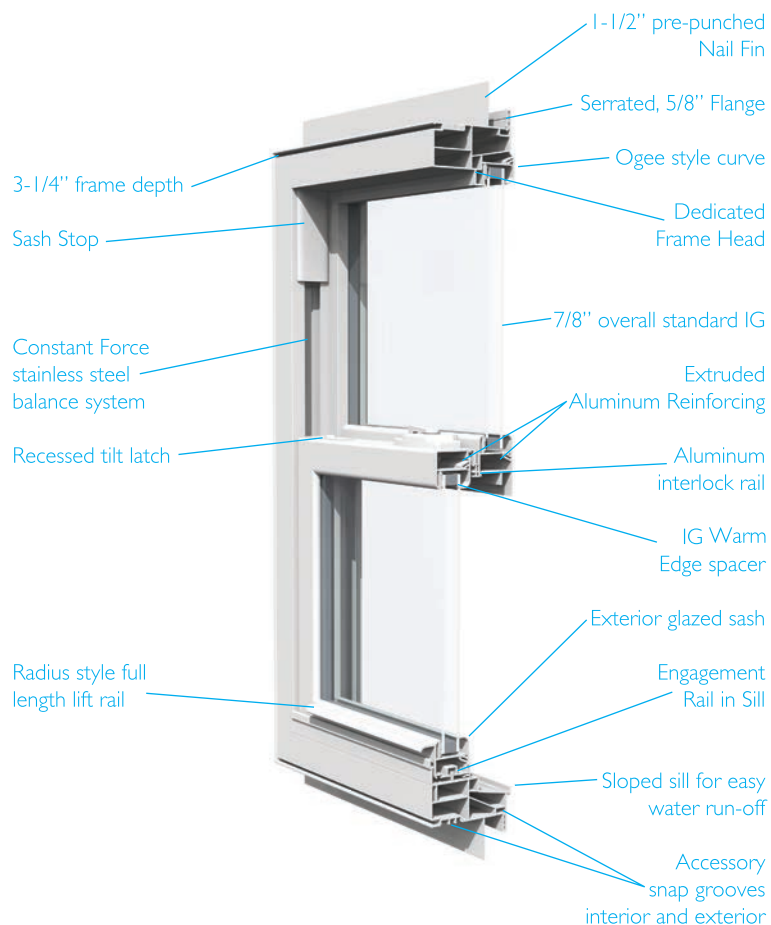




# VINYL SINGLE HUNG WINDOWS

## PRODIGIOUS ALLURE.

Our non-impact, 610 series Single Hung tilt-in windows offer a perfect solution for inland applications, while providing beauty to your home, as well as performance to last a lifetime. Choose from our standard single hung design or our Oriel or Arch Top design for added flair. Include stylish grids, along with energy efficient Low-E glass to complete your look. ►



## VINYL WINDOWS

### 610 Series Single Hung

#### New Construction and Replacement

- Tilt Sash for easy cleaning
- 615 Series Picture Window to complement the 610 Single Hung

#### 610 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



615 Series  
Picture Window



610 Series  
Cam Lock



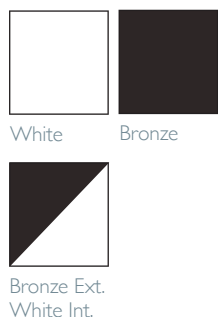
610 Series  
Auto Self-Locking  
Sash Locks



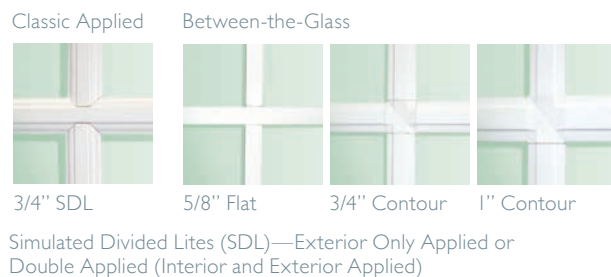
## BENEFITS

- ✓ **Meets or exceeds ENERGY STAR® standards**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 7/8" insulated glass with argon gas for ultraviolet and thermal protection
  - Double-strength glass standard
- ✓ **Energy efficient 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
- ✓ **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
- ✓ **Extruded Half Screen Standard**
  - Optional roll form screen available
  - 10% better insect protection—20% better airflow—10% clearer view

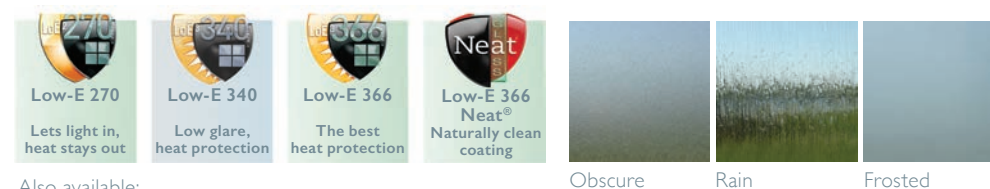
### FRAME COLORS



### GRID OPTIONS



### GLASS COLORS AND FINISHES



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



# VINYL SLIDING GLASS DOORS

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

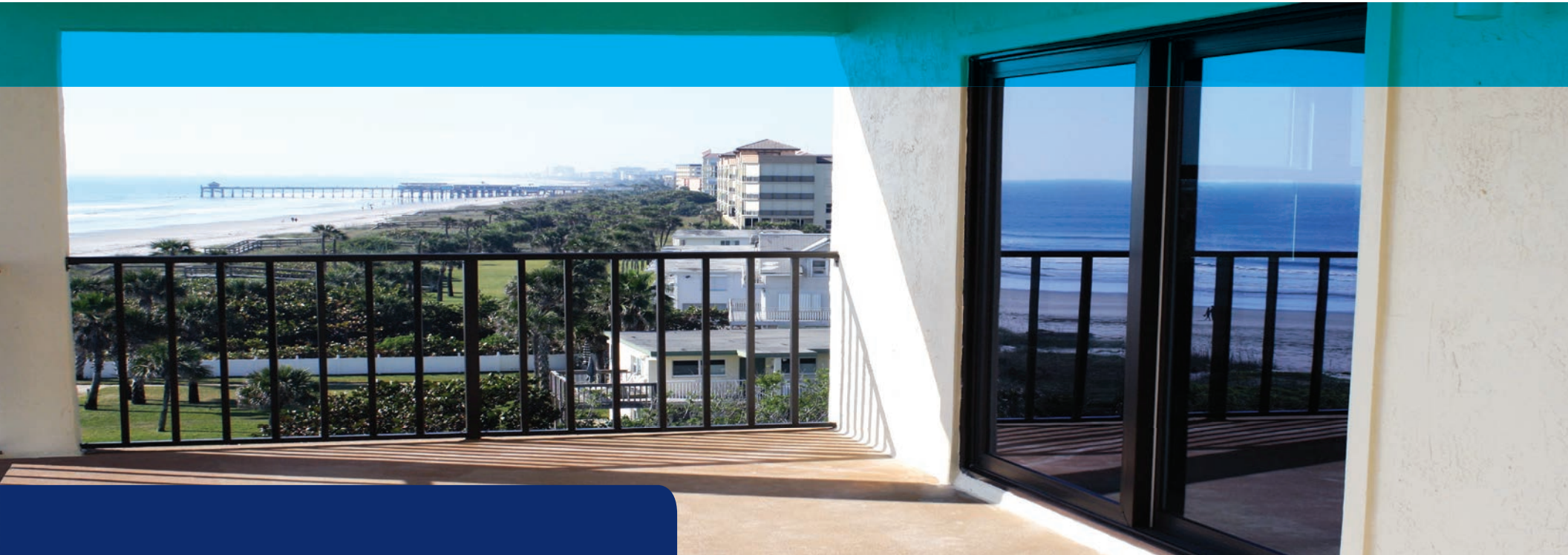
### 8900 Sliding Glass Door

- Constructed with weather resistant vinyl frame, panel and interlock.
- Configurations: XO, OX, OXO, OXXO
- Welded frames optional.
- Knock-down frame available.
- Design pressures up to  $\pm 60$ .
- Standard stainless steel roller system.

### 8800 Sliding Glass Door

- All vinyl weather resistant frame and panel construction.
- Custom sizes available.
- Options for 2, 3 and 4 tracks.
- Premium stainless steel, adjustable tandem roller system.
- Multi-track screen system for all sizes.
- Design pressures up to DP  $\pm 80$ .
- Multiple configurations up to 8 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.





- ✓ **High design pressures**
- ✓ **Available with Low-E glass (270, 340, 366)**
  - 1" insulated glass with argon gas for ultraviolet and thermal protection
- ✓ **High performance 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
  - Doors have been tested to the extremes for water management and structural performance
- ✓ **Premium Roller – As Option**
  - Choose from our standard size stainless steel roller system or stainless steel Premium Roller option with larger wheels for even smoother operation.
  - S.S. Premium Roller is standard on Sliding Door (8800).



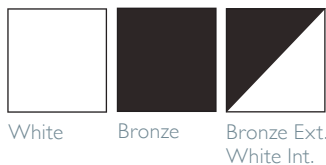
Stainless Steel Roller



S.S. Premium Roller

\*Welded frames not available on all sizes and configurations

## FRAME COLORS



## HANDLE OPTIONS



## GLASS COLORS



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



# ARIASERIES

VINYL WINDOWS & DOORS



*Your CWS dealers are window and door professionals and are available to help you choose the best Aria products.*

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



**CWS**

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