

# 8100 Series

VINYL WINDOWS



"Our 8100 Series continues to push the quality standards of the industry higher."

- MARIO N., CEO OF CLIMATE SOLUTIONS



## 8100 Series

AMERICAN MADE FOR BEAUTIFUL DESIGN  
AND ENERGY EFFICIENCY THAT LASTS

Beautifully transform your home with our newest, state of the art **Windows and Doors**. You can expect the latest technology and the highest quality materials to provide you with the best energy efficiency rating. This series is the future come early and you can leverage its cutting-edge design to protect your home for years to come.

In addition to the most advanced components, the 8100 allows the ability to select both interior and exterior colors as well as tasteful hardware and decorative design elements. Choose the combination that best suit your family's needs and home's style.



Custom Shape Windows Over Oriel Double Hungs in White

## Performance Features

EXCLUSIVE TECHNOLOGY SETS OUR  
WINDOWS APART

**5x**  
LONGER  
LASTING

### BEST IN CLASS SPACER

CS Ultra Spacer™ technology is a dual-seal system that is known in the industry to **last up to five times longer** than single-seal systems. Its seal equals the most reliable insulating glass unit on the market today.

**4 CORNER  
FUSION  
WELDED**

### SUPERIOR STRENGTH FUSION WELDED

Fusion welded frame and sash create high strength welded corners. These precision welds prevent water and air infiltration resulting in a higher rated window.

**CLIMA  
CLEAN  
GLASS**

### CLIMACLEAN GLASS

It's not magic but close to it. Do away with cumbersome exterior cleaning, **ClimaClean** uses the sun to biodegrade dirt and organic material. Water rinses, leaving your windows virtually spotless and cleaner longer with much less effort.



Tilt & Turn Windows with Patio Door in Almond

**12 PERFORMANCE  
LAYERS**  
**CLIMA  
GLASS**

### PERFORMANCE GLASS

The ideal energy balance of solar heat control, high visibility and fade protection. With gas filled chambers and Low-E coatings, **ClimaGlass** provides high levels of climate protection year-round with optimal comfort and energy savings.

**DECORATIVE  
EASY-TO-CLEAN  
GRIDS**

### BETWEEN THE PANES DECORATIVE GRIDS

Add visual interest with beautiful grids installed between the panes of glass. Both interior and exterior glass surfaces are smooth to the touch for easy cleaning.

**100%  
PURE VINYL  
0%  
PLASTIC  
FILLERS**

### 100% PURE VIRGIN VINYL

Pure virgin vinyl is a stronger material compared to recycled alternatives. Pure virgin vinyl contains no plastic material which can dry out in the heat, causing the window to warp or crack.

## WINDOW STYLES

All window styles are custom made to order specifications. Color, hardware and feature options on **pages 24-25**.



Double Hung



2-Lite or 3-Lite Slider



Picture



Custom  
Shape



Casement



Tilt & Turn



Awning & Hopper



Bay & Bow



Garden



Patio Doors

Built to Work. **Built to Last.**

# Double Hung Windows

A Double-Hung Window has two operable sashes that slide up and down. Both sashes are able to open to provide ventilation. With tilt-in design, sashes can easily be cleaned from indoors.

## Features You'll Love



### Easy-to-Clean, Tilt-In

Dual sash feature to access both sashes from the inside of your home for easy cleaning and care.



### Weatherproof Design

Patented 3 Barrier sash and sill weather stripping system made to resist air and water infiltration.



### Superior Security

Double Hung Windows come standard with a heavy duty cam action locking system for security.



### Smooth Operation

Commercial grade stainless steel balance system applies constant force for easy opening & closing.



### Fusion Welded Lift Rails

Lift rails are fusion welded to the sashes for superior durability, even after years of use.

## AMERICAN MADE WINDOWS & DOORS

All windows are custom made to your specifications. Color, hardware and feature options on **pages 24-25**.



Double Hung Windows in White and a Sliding Glass Door



Double Hung Windows in White with Flat Colonial Grids

## Industry Leading Technology

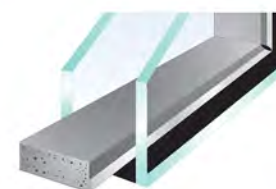
8100 Series Double Hung Windows feature some of the best technology in the industry, allowing them to outperform the competitor for years to come.

### Top Performing Spacer System

CS Ultra Spacer™ technology is a dual-seal system that is known in the industry to last up to five times longer than single-seal systems. Its seal equals the most reliable insulating glass unit on the market today.

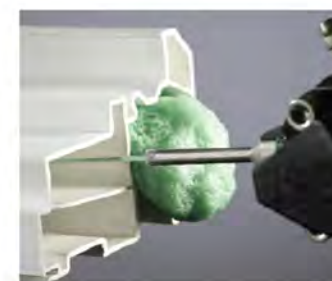
### Low Profile Sloped Sill, Years in the Making!

Developed to assist with **water drainage** while also keeping the window cleaner. An interlocking dam to prevent air and water infiltration is built directly into the Sloped Sill. The multi-chamber i-beam design creates the strongest sloped sill on the market.



## Further Enhance with Options

The standard features on 8100 Double Hung Windows already set them apart. But, if you are looking for even more performance, we can outfit them with top technology and features to withstand even the harshest climate conditions.



### Bio Foam

Environmentally friendly USDA certified soy based bio foam option for increased thermal performance to further increase **energy efficiency**.



### Reinforcement

High-Performing renewable bio-based system is the next gen of thermal window reinforcement, up to **700 times better** than aluminum.



### Flex Screen

The world's **first and only** flexible window screen. Easily remove and replace screens for cleaning. Enhanced with PVC for weather and scratch resistance.



# Slider Windows

Sliding Windows glide open horizontally on a track from one side to the other. They work well in areas where there is no room for an outward swinging window. Sliding Windows offer easy access to fresh air and are smooth to operate.

## Features You'll Love



### Great for Tight Spaces

No extra space is required to operate, perfect for areas with traffic or when space is limited.



### Easy Glide Rollers

Made in USA rust resistant self-lubricating brass rollers allow for effortless sliding.



### Easy Lift Out Slider Sash

Allows easy access for cleaning and maintenance from inside the comfort of your home.



### Anti Lift Exterior

Anti break-in system provides security, stopping intruders from lifting the sash out when locked.

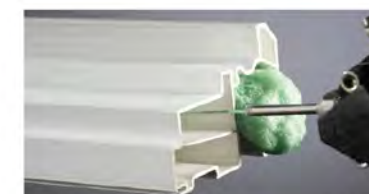


Slider Windows, 2-Lite Configuration in Black



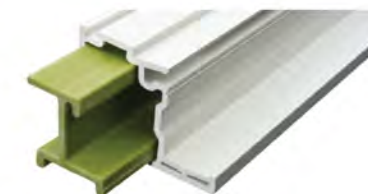
Slider Windows, 2-Lite Configuration in White with Flat Colonial Grids

## Enhance with Options



### Bio Foam

Environmentally friendly USDA certified soy based bio foam option for increased thermal performance to even further increase **energy efficiency**.



### Reinforcement

High-Performing renewable bio-based system is the next gen of thermal window reinforcement, up to **700x better** than aluminum.



### Flex Screen

The **1st and only** flexible window screen. Easily remove and replace when cleaning. PVC enhanced for scratch and weather resistance.



### Internal Blinds

Add Blinds Between the Glass for convenience and shade. Avoid the damage and cleaning that comes with traditional blinds.



## Slider Configurations

Available in **2-Lite** and **3-Lite** configurations



2-Panel



3-Panel  
1/4 - 1/2 - 1/4

3-Panel  
1/3 - 1/3 - 1/3



Slider Windows, 2-Lite Configuration

# Picture Windows

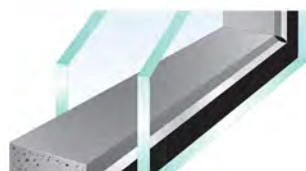
Picture Windows can't be opened, but they let in a view. Picture windows maximize the amount of natural light that enters the space. Picture Windows are the perfect companion to other windows styles, allowing for large and aesthetic walls of light.

## Features You'll Love



### Energy Saving Glass

Gas filled chambers and Low-E coatings provide year-round climate protection with optimal comfort and energy savings.



### Efficient for a Lifetime

Enjoy views without energy or comfort loss. **CS Ultra Spacer™** gives you a true dual-seal warm edge system that lasts a lifetime.



### Stunning Grid Patterns

Add beauty with decorative grids between the glass panes. Glass surfaces are smooth to the touch for easy cleaning.



### 4 Corner Fusion Weld

Fusion welded frame and sash prevent water and air infiltration resulting in a higher rated energy efficiency window.



Picture Windows in White

## Architectural and Custom Shapes

Picture Windows are available in standard rectangle and square shapes. They can also be made in a **variety of custom shapes**. Choose from circle, oval, arch, hexagon, triangle, etc. Grids can be added for even more variety. We can make the shape and style to suite your home!



## Combine Styles

Picture Windows make a perfect companion to other window styles. Create beautiful walls of light with these combinations ideas.



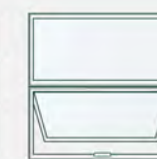
Casement Style  
Picture between Casements



Double Hung Style  
Picture between Double Hungs



Triple Stack  
3 Picture Windows Stacked



With Awning  
Picture above Awning



Decorative  
Shape above Double Hung



## Enhance with Options



### Internal Blinds

Add **Blinds Between the Glass** for convenience and shade. Avoid the damage and cleaning that comes with traditional blinds.



### Privacy Glass

Choose from obscure frosted, milky laminate or rain pattern textures to **limit visibility** and enhance privacy in your home.



### Bio Foam

Add environmentally friendly USDA certified soy based bio foam for added thermal performance to further increase **energy efficiency**.



### ClimaShield

Upgrade to **ClimaShield** for **triple pane performance** in a double pane unit and meet Energy Star® efficiency guidelines.

# Casement Windows

Casement Windows are hinged on either side and the sash swings out for maximum ventilation and unobscured views. Easy to configure, they can be placed side by side and still easily open. Easily crank open for maximum ventilation.



Casement Windows in Black Exterior

## Features You'll Love



### Easy-to-Clean

Casement Windows open at a 90° angle allowing easy cleaning from the inside of your home.



### Invisible Screen Clips

Casement Screens are easy to remove. External clips are eliminated for a sleeker look.



### Fold-Away Handle

Built to function smoothly and dependably. Folds away for a sleek look and minimal visibility.



### Superior Security

**Multi-Point Locking Hardware** creates a tight compression seal for energy efficiency and safety.



### 4 Corner Fusion Weld

Fusion welded frame and sash prevent water and air infiltration for higher energy efficiency.



Competitor ClimaClean

### ClimaClean Glass

Uses the power of the sun to biodegrade dirt and rain washes it away for easy maintenance!

## Create Walls of Light

Casement windows make a great companion to picture windows. Casement Windows easily operate with a smooth crank while adding additional light with picture windows. Choose from decorative grids and glass textures for further personalized design options. **The possibilities are endless.**

## 8000 SERIES CASEMENT WINDOWS



Casement Windows with Transoms

## Enhancing Options for Casement Windows

Casement windows are the best of both worlds; with stylish appearance and energy-efficient technology, they can be a perfect match for any house. Customize with your choice of options to best suit your needs.



Casement Windows in White with Internal Grids Between the Glass

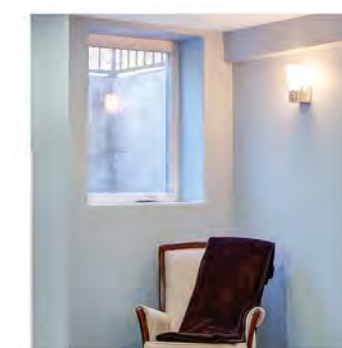


Casement Windows in White with Picture Windows Above



### Internal Blinds

**Option** to add Blinds Between the Glass. Avoid the damage and cleaning that comes with traditional blinds. **A favorite among homeowners!**



### Egress Hinges

**Option** to add hardware that allows the window to open wider for building code requirements. Popular in basements for an escape route.

# Awning and Hopper Windows

Both Awning and Hopper Windows offer a solution for tighter spaces. They open using a cranking mechanism, like the casement windows. Awning Windows are perfect for rainy days because they open outward. Hopper Windows are typically in basements because the sash can be removed in emergencies.



**Awning Windows** are hinged on the top and the sash swings out for high amounts of air flow and unobstructed views. In most cases, they are placed higher on a wall.



**Hopper Windows** open from the top and swing inward. The set up is the perfect solution for egress code requirements since the sash can be removed in case of an emergency.



Awning Window Paired with Picture Window in White

## Performance Features You'll Love



### Smooth Operation

**Single Arm Dyad Hinge** and **Sleek Fold Away Handle** combine for single hand ease of use and long term durability.



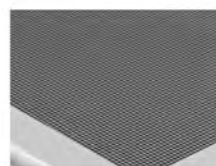
### Weather Protection

**Gasket Seal** provides superior protection against the elements as outside air pressure pushes sashes in tighter to the frame.



### Superior Security

**Multi-Point Locking Hardware** creates a tight compression seal for the best energy efficiency available and added safety.



### Invisible Screen Clips

Awning Screens are easy to remove. External clips are eliminated for a sleeker look.

### Combine Styles

Pair Awning Windows with other window styles to create beautiful walls of light with these combinations ideas.



Picture  
Awning below



Casement  
Awning above



Pair with Picture  
Pair of Awnings below

## Customize with Options



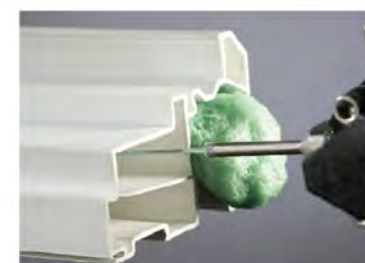
### Internal Blinds

Add **Blinds Between the Glass** for convenience and shade. Avoid the damage and cleaning that comes with traditional blinds.



### Privacy Glass

Choose from obscure frosted, milky laminate or rain pattern textures to **limit visibility** and enhance the privacy in rooms of your home.



### Bio Foam

Add environmentally friendly USDA certified soy based bio foam for added thermal performance to further increase **energy efficiency**.



### ClimaShield

Upgrade to **ClimaShield** for **triple pane performance** in a double pane unit and meet Energy Star® efficiency guidelines.



Awning Window Over Sink

# Bay and Bow Windows

Bay or Bow Windows become the focal point of any room, taking on the appearance of fine furniture and making the room appear more spacious. The structure is made of fine hardwood veneered plywood that we hand select at local mills. Choose from Oak or Birch to best match your home's woodwork.



Bow Window with White Windows and White Factory Finished Seat, Jambs and Header

## Handcrafted Features



### Solid Wood Mullions

The Mullions of a Bay or Bow Window are critical in supporting the weight of the window's outward projection. We use a **Timberstrand Laminated Lumber Mullion** that is 25% stronger than standard wood and does not warp or twist like typical pine. Most companies use a Vinyl Mullion which provides little support, can sag and cause water infiltration.



### Cable Support System

We use a **Turn-Buckled Cable Support System** on our Bay and Bow Windows to support the frame from the top. The head component of the Bay or Bow is connected to the vertical Mullions with 6" Eyehook Lag Bolts. The system provides internal support and makes the seat of the window strong enough to hold weight and act as an actual seat.



### Insulated Deluxe Seat

Climate Solutions Bay and Bow Windows feature a superior **Triple Layer Insulated Deluxe Seat** which utilizes a 1" thick High Density Polyisocyanurate Foam Core. This core yields an R-9 Insulating Value alone, adding to the overall insulation value of the window unit. Our Deluxe Seat is **67% thicker** than competitors, 1" compared to the standard 3/4", for maximum thermal efficiency.



### Add Space and Functionality

Both Bay and Bow Windows are unique in that they add physical space to your home. The bench and extra room create a showcase area with seating and display.

## INTERIOR FINISH OPTIONS

### Unfinished Interior Standard

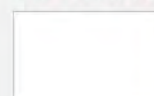


Birch Veneer  
Paintable



Oak Veneer  
Stainable

### Pre-Finished Interior Colors Additional Cost



White



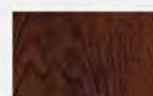
Almond



Light Oak



Dark Oak



Cherry

## What is the Difference?



**Bay Windows** Typically have three openings, angled out beyond the house wall in sharp angles usually 25 to 45 degrees. It often consists of a large center picture window and two smaller windows on either side, known as flankers.



**Bow Windows** Feature a curved structure creating a rounded appearance on the outside of the home. They usually consist of three or more casement windows that join together to form a gentle outward arc.

## Custom Additional Features



### Pre-Finished Interior Colors

Choose to have your Bay or Bow window factory pre-finished. Available in White, Almond, Light Oak, Dark Oak or Colonial Cherry (see left page).



### Blinds Between the Glass

Incorporates traditional window blinds between two glass panes so they are completely enclosed which means no dust collects on blinds, and they stay beautiful for years.



### High Performance Bio Foam

Add environmentally friendly USDA certified soy based bio foam for added thermal performance to further increase **energy efficiency** and keep your home comfortable all year round.

### Avonite® Solid Surface Seats Additional Cost



Cameo White



Beach



Sandstone



Dusk

# Garden Windows

Garden Windows utilize Low-E Glass and Argon gas between the glass and our **CS Ultra Spacer™** for exceptional energy efficiency. Constructed with Fusion Welded 100% Pure Virgin Vinyl and the frames are reinforced with heavy-duty aluminum.



Garden Window in White Factory Finished Interior

## Features You'll Love



### Tempered Glass Shelf

Garden Windows up to 50" wide include a 3/16" tempered glass shelf for multi-level sunlight. Perfect for showcasing plants.



### Sturdy Construction

**100% Pure Virgin Vinyl** with an 18" projection for lasting durability that does not warp and can securely hold weight.



### Light and Ventilation

**Trapezoid Flanker Windows** provide additional light and open for maximum ventilation. Operate with a single crank.



### Insulated Deluxe Seat

**67% thicker** than competitors, our Triple Layer Insulated Deluxe Seat is built for energy efficiency and to hold weight safely.

## Delivered Fully Ready for Install

Garden Windows units come complete, ready to install. The wooden portion of the frames feature Select A-Grade Red Oak or Birch hardwood veneer plywood construction, which can be pre-finished to specification. The roofs feature heavy-duty, aluminum reinforced frames, with fusion welded pure vinyl construction. The quality is **second to none!**



Garden Window Exterior View

### Standard Wood Finish

Standard unfinished interior options can be painted (Birch) or stained (Oak Veneer).

#### Unfinished Interior Standard



Birch Veneer  
Paintable



Oak Veneer  
Stainable

### Wood Finish Options

Choose to have your Garden Window factory **pre-finished** for the perfect look. No need to stain or paint!

#### Pre-Finished Interior Colors

Additional Cost Option (wood portion only)



White



Almond



Light Oak



Dark Oak



Cherry

## Customize with Options

Our Garden Window is available with all of our bells and whistles! Factory-Finished Interiors, R-9 Insulated Seats, Plastic Laminate Interior (Formica), Avonite Solid-Surface Seat Insert, and **Energy Efficient Glass**.

### Enhanced Natural Light

Glass on all sides and a deep, protruding design, our garden windows capture sunlight from multiple angles, brightening your home throughout the day.

### Energy Efficient

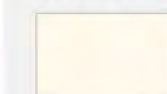
Garden windows come with double-glazed ClimaPlus glass and airtight seals, ensuring minimal heat loss in winter and reduced heat gain in summer, helping you save on energy costs.

### Optimal Ventilation

Equipped with side vents that can be opened to allow fresh air to circulate, our garden windows help keep your indoor garden well-ventilated.

### AVONITE SEAT OPTION

Avonite® Solid Surface Seats Additional Cost



Cameo White



Beach



Sandstone



Dusk



Garden Window with Light Oak Wood Stained Seat, Jambs and Header

# Patio Doors

Engineered to perform at all sizes with outstanding reliability. Practically watertight, our Patio Doors are built to last and hold their quality after years of use. Engineered to open smoothly and quietly thanks to the Patented dual-tandem nylon wheels and raised rail, protecting the wheels from dirt and debris. Doors are available as Sliding Doors, Single Panel Tilt and Turn and French Door style.

## Performance Features



### Multi-Point Locking

Enhanced security with our Multi-Point Locking System, designed to provide superior protection against forced entry.



### Steel Reinforced Strength

Steel reinforced panels for superior strength, long term durability and added security. Built to last and maintain quality for a lifetime.



### Fusion Welded Doors

4 corner fusion welded frame and panel construction exceeds structural testing requirements in residential applications.



### Venting Foot Lock

Sleek foot activated lock provides security and a convenient way to ventilate while still at home. Lower sill design for safer entry and exit.

### Smooth Operation

Doors open smoothly and quietly due to the Patented dual-tandem nylon wheels & raised rail to protect the wheels from dirt and debris.



2 Panel Sliding Door with Blinds Between the Glass in White



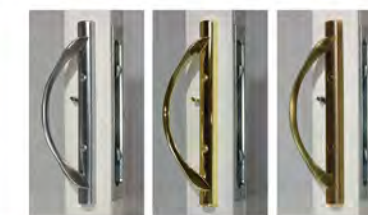
4 Panel Sliding Door in White

## Customize with Options



### Internal Blinds

Add Blinds Between the Glass for convenience and shade. Avoid the damage and cleaning that comes with traditional blinds.



### Metallic Colors

Upgrade your hardware to our Euro handle with additional color options. Available in Nickel, Bright Brass and Antique Brass.



### Pet Door Flap

Pet Door Flaps allow your pets to come and go as they please, while maintaining the security and comfort of your home. Multiple flap sizes available. **Sm, Med, Lrg, XL**



### ClimaShield

Upgrade to ClimaShield for triple pane performance in a double pane unit and meet Energy Star® efficiency guidelines.

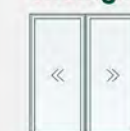


6 Panel Sliding Door in Black

### Outstanding Reliability

Engineered to perform at all sizes. Built to stand the test of time and enjoy for years to come.

### LAYOUT CONFIGURATIONS Sliding Patio Doors



2-Panel  
1 panel opens left or right



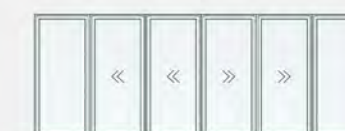
3-Panel  
1 panel opens left or right



4-Panel  
2 center panels open to sides



Triple Track 3-Panel  
2 panels open left or right



Triple Track 6-Panel  
2 panels open left and 2 panels open right

# Tilt and Turn Windows & Doors

Inspired by European Tilt and Turn Window design, sophisticated technology is used to create a diverse array of attractive high-performance window and door solutions that meet North American building requirements. Enjoy full views and versatile operation with Tilt and Turn Windows from Climate Solutions.



Tilt & Turn Windows in White, French Door on the Right



## Versatile & Easy to Use

### Turn Handle Horizontally to Open Window with Option to Use as a Door to Access Outside

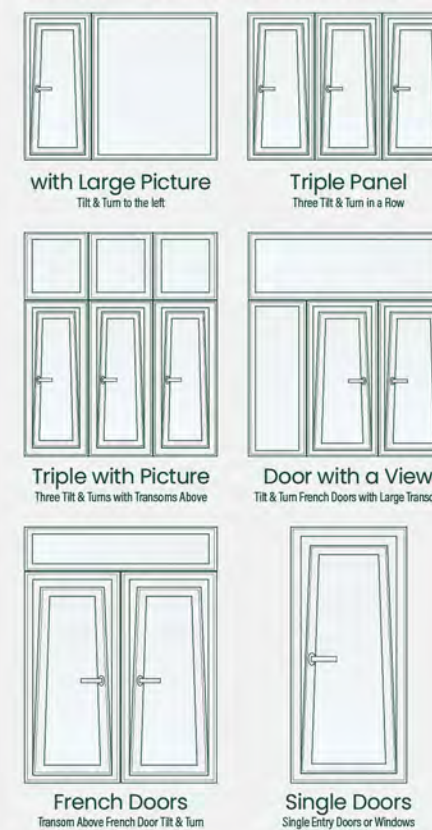
Twist the handle and pull open for a full breeze. Screens can be left off door sections for full outside access.

### Turn Handle Upward for Partial Ventilation

In this position, the sash tilts slightly for safe and easy ventilation. Opening does not exceed 4", so there is no danger from intruders, accident risk or moisture damage. Even in windy conditions, the window remains open.

## Endless Layout Designs

Tilt & Turn Windows are the **most versatile** windows on the market, allowing for walls of light that can be mixed with exterior access. See examples below for inspiration!



## Intelligent and Sleek Design Features



### Impeccable Aesthetics

The ideal solution for large windows that open. Hidden hinges and straight sash profile for a sleek and refined look.



### Multi-Chamber

Multichamber structure (17 in the frame, 13 in the sash) meets stringent performance and energy efficiency standards.



### Multi-Point Locking

Creates compression around the entire perimeter for sound resistance, optimum security and airtightness.



### Window Screens

**BetterVue** Spring-loaded extruded screens seamlessly incorporated into the window, for sleek architectural styling.

## Enhance with Options



### ClimaShield

Upgrade to **ClimaShield** for triple pane performance in a double pane unit and meet Energy Star® efficiency guidelines.



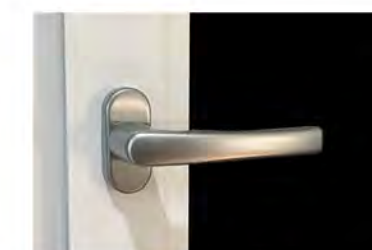
### Visible hinge

Optional **Heavy duty** non-tilt hinge allows your door to open 180° maximizing your opening. Standard on outswing doors.



### Internal Blinds

Add **Blinds Between the Glass** for convenience and shade. Avoid the damage and cleaning that comes with traditional blinds.



### Premium Finish

Enhance your hardware with our premium finishes, available in nickel or black. The classic white finish comes standard.



Tilt & Turn Windows Flanking Two Picture Windows in White

# Top Technology

## NEVER STOP INNOVATING

Every component is engineered for performance, longevity, and ease of use.



## CS Ultra Spacer™

### The Spacer is Key to the Quality and Performance of a Window

Windows are comprised of two panes of glass separated by a spacer system that holds the panes together, creating an insulating air space where a safe gas can be added to protect the home from heat loss and outside elements.

### How Our Spacer Performs Against Other Spacer Systems

Our exclusive true dual-seal spacer system provides the warmest window edge possible with maximum durability, seal failure resistance and energy performance that lasts a lifetime.

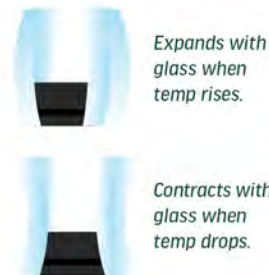
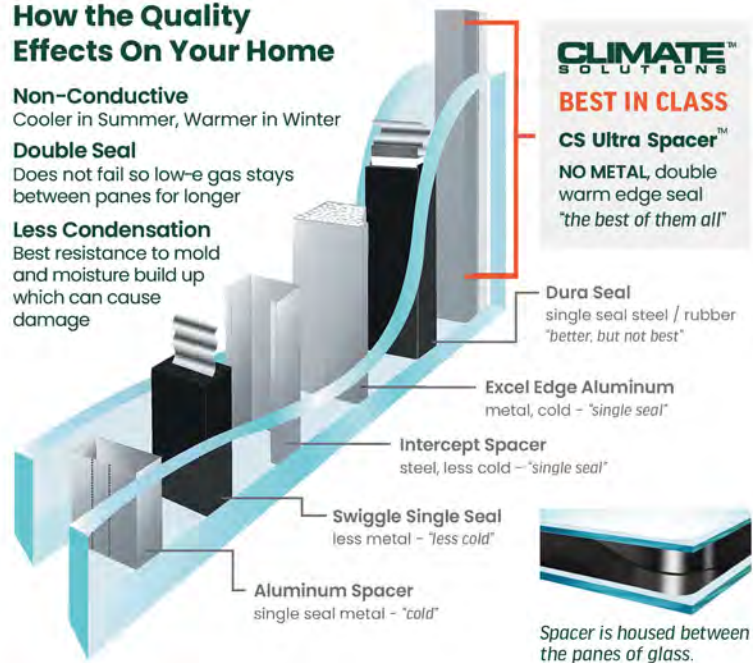
The CS Ultra Spacer™ contains no metal, making it the best at expanding and contracting for the most energy efficient seal on the market.

**5x LONGER**

| FEATURE             | BENEFIT              |
|---------------------|----------------------|
| No Metal            | Better Insulation    |
| Closed-Cell Polymer | Noise Reduction      |
| Double Seal         | Efficiency Longevity |
| Exclusive Adhesive  | Resists Condensation |
| Lifetime Warranty   | Guaranteed to Last   |

### How the Quality Effects On Your Home

- Non-Conductive**  
Cooler in Summer, Warmer in Winter
- Double Seal**  
Does not fail so low-e gas stays between panes for longer
- Less Condensation**  
Best resistance to mold and moisture build up which can cause damage



### Expands and Contracts with Temperature Change

The CS Ultra Spacer™ is made of flexible material that expands when glass heats up and contracts when the temperature drops. This ensures a tight seal, all year long and less loss of the low-e argon gas.

The better the seal, the better the window.



# High Performance Glass

Climate Solutions glass delivers the ideal energy balance of solar heat control, high visibility and fade protection. Gas filled chambers and Low-E coatings provide high levels of climate protection year-round with optimal comfort and energy savings.



## ClimaClean Glass

### It's Not Magic, But Close to It

The average exterior window surface requires constant maintenance, but not ClimaClean Glass which uses the power of the sun to biodegrade dirt and organic material. Water rinses it away, leaving your windows virtually spotless.

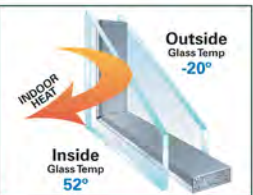
### You'll Love the Benefits!

- Far Less Exterior Cleaning Maintenance
- Increases Your Home's Curb Appeal
- Less Build Up Means More Bright Light
- Increases the Longevity of the Glass
- Save on Maintenance Costs



### Warm Temperature Performance

Our glass has been specially formulated to reject the sun's heat and, unlike tinted glass, doesn't spoil the view. It lets more light in while keeping more heat out. The result is a home that is cool and comfortable in the heat.



### Cool Temperature Performance

In cooler temperatures, it's what's between the glass that matters. Our products include Argon Gas between panes of glass to insulate against energy transference, keeping heat from escaping and the cold sneaking in.

| CHEMICAL PROTECTOR          |
|-----------------------------|
| TOP DIELECTRIC LAYER        |
| BARRIER LAYER               |
| 3RD SILVER LAYER            |
| 2ND MIDDLE DIELECTRIC LAYER |
| BARRIER LAYER               |
| 2ND SILVER LAYER            |
| 1ST MIDDLE DIELECTRIC LAYER |
| BARRIER LAYER               |
| 1ST SILVER LAYER            |
| BASE DIELECTRIC LAYER       |
| SEALANT LAYER               |

## 12 Layer Glass

- Ultimate Performance Glass
- Rejects the Sun's Heat
- Lets in More Light
- Blocks 95% of UV Rays
- Prevents Interior Fading
- Energy Star Rating

Included in the ClimaPlus 3 Glass Package. ClimaShield Packages feature a 14 Layer Glass with even more benefits.

### Our Glass is Manufactured Locally in Chicago

Unlike many manufacturers, we cut and assemble our own Insulated Glass Units in house, as opposed to ordering them in. This allows for greater quality control and faster production.

## ENERGY PACKAGE OPTIONS

| Glass Package            | Bio Foam Injected | Stacked Layers | U Factor | SHGC | Visible Transmittance | Condensation Resistance | Energy Star Rating |
|--------------------------|-------------------|----------------|----------|------|-----------------------|-------------------------|--------------------|
| ClimaPlus <sup>2</sup>   | No                | 8              | 0.28     | 0.28 | 0.53                  | 60                      | No                 |
| ClimaPlus <sup>3</sup>   | No                | 12             | 0.27     | 0.21 | 0.49                  | 60                      | V6                 |
| ClimaPlus <sup>3</sup>   | Yes               | 12             | 0.26     | 0.21 | 0.49                  | 60                      | V6                 |
| ClimaShield              | No                | 14             | 0.24     | 0.20 | 0.48                  | 49                      | V6                 |
| ClimaShield <sup>7</sup> | Yes               | 14             | 0.22     | 0.20 | 0.48                  | 49                      | V7                 |

Ratings based on double hung windows.

# Customize

Climate Solutions is dedicated to providing the highest quality improvements available. Products can be customized, ensuring that they will meet and exceed your personal needs for years to come.



## INTERIOR & EXTERIOR COLORS

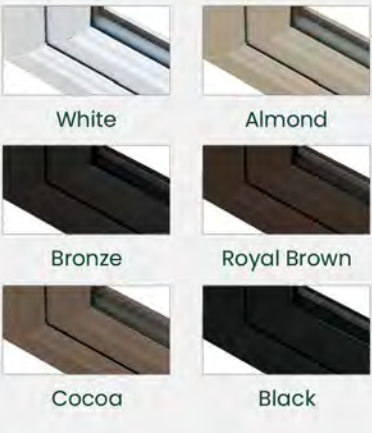
We offer a full spectrum of both standard and customizable color options to give you absolute freedom in choosing the tone that will complete your home project. Our exterior colors are manufactured for durable long-lasting color that is robust enough to withstand whatever the elements bring. Looking for a custom color? Our Premium Color Match program allows you to match the exterior of your product to any color you want.

### STANDARD INTERIOR COLORS

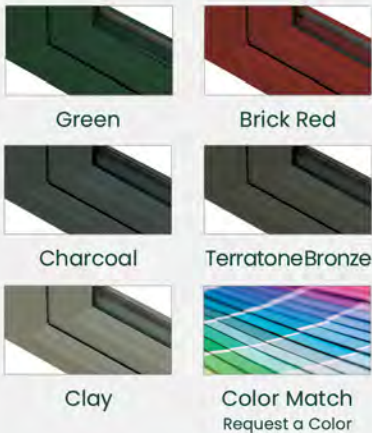


Please note that the actual product colors vary from those depicted in our brochure due to lighting and printing variations.

### STANDARD EXTERIOR COLORS



### CUSTOM EXTERIOR COLORS



## GRID PATTERNS & PROFILES

Decorative grids lend an added measure of style and dimension to your windows. Grids are sealed within the glass for easy cleaning. First, choose a pattern. Then, choose a grid profile to achieve your ideal finished look.

### GRID PATTERNS



### GRID PROFILES



## PRIVACY GLASS

Privacy Glass is common to see in Bathrooms, Doorways and Basements. There are areas where privacy or limited visibility is preferred to clear view glass. Beyond limited visibility, Privacy Glass options can help to shade areas.



## HARDWARE COLORS

Our hardware is designed with a focus on security, durability, and ease of use, all while offering a sleek and beautiful aesthetic. For a personalized touch, choose from a range of optional colors to further enhance the elegance of your hardware.

### GLOSS COLORS



### METALLIC COLORS



## SCREENS

### BETTERVUE SCREEN STANDARD



**BetterVue** insect screening with **Water Shed Technology™** (Patent Pending) preserves optical clarity by shedding water and resisting dirt and grime for a sharp, brilliant outward view. It is suitable for all window and patio screen door applications. Comes standard on all windows.

### FLEXSCREEN OPTIONAL



Features a PVC coated, high performance spring steel frame. Simply hold in your hands, bend the sides in and fit into your screen track. FlexScreen hides in the screen pocket, improving sight lines and eliminating the need for color matching. (Not available on Casement or Tilt & Turn)



## BLINDS BETWEEN THE GLASS

**Blinds Between the Glass** incorporate traditional window blinds between two glass panels so they are completely enclosed. Cordless **Easy Glide** operators with fingertip control allow you to raise and lower blinds the entire length of the glass with minimal effort. Control the light with ability to not only raise and lower, but also tilt a full 180°.

- Blinds Between the Glass are a homeowner favorite!**
- No Dust Build Up, No Cleaning - Enclosed between Glass
  - Durable and Long Lasting, Resistant to External Damage
  - Optimal Lighting Control - Ability to Raise, Lower, or Tilt
  - Easy to Operate with the Lift of a Finger

### INTERNAL BLIND & HARDWARE COLOR OPTIONS



"Climate Solutions is proof that top technology & innovative design can be affordable."

- MARIO N., CEO OF CLIMATE SOLUTIONS

# CLIMATE<sup>TM</sup> SOLUTIONS

## INTEGRITY MEETS HIGH QUALITY PERFORMANCE

Climate Solutions Windows and Doors has been manufacturing the highest quality vinyl windows and doors for over decade. We aim To manufacture a truly custom vinyl window that doesn't compromise quality for cost.

### Choose with Confidence

- 100% Pure Virgin Vinyl Windows and Doors
- Innovative Custom Design Solutions
- Manufacturing for close to 2 Decades
- State-of-the-Art Production Lines
- In-House Glass Manufacturing
- Full-Spectrum Color Lab® Custom Colors
- Separate Commercial Division
- Focus on Efficiency and Sustainability

Learn More: [cswindows.com](https://cswindows.com)



### Proudly Made in Chicago

All products are manufactured in our Franklin Park factory, which features state-of-the-art production lines. Unlike many other manufacturers, we cut and assemble our own Insulated Glass Units. In-House glass production allows for greater quality control and swifter production.



French In Swing Tilt & Turn Door in Almond



### Best in the Nation

Year after year, Climate Solutions has ranked on the list of **Window+Door Magazine's Top 100** Manufacturers in America. This report is conducted each year to share insight on the window and door industry. Climate Solutions has made the list repeatedly: 2018, 2021, 2022, 2023, 2024

CSWINDOWS.COM

## Customer Satisfaction

There is enormous confidence in the **Climate Solutions Windows & Doors** product range, which has been used in thousands of residential applications and now commercial ones too.

Climate Solutions Windows are among the highest quality replacement windows you can find. My windows have made a noticeable improvement in my home in winter and summer. - **Mike H.**

These windows are high quality and keep us warm all winter long. We finally feel comfortable in our home and that's due to Climate Solutions. We get compliments on our patio door with the built in blinds. I highly recommend this company to anyone looking to update their windows and doors. - **Anja C.**

Speaking from contractors perspective... I installed over one hundred of Climate Solutions 8100 series windows including their patio doors with and without internal blinds. I have nothing but great things to say about the product as well as customer service. - **Piotr O.**

Good experience from start to finish. We contacted Climate Solutions for windows and they referred us to their dealer. The dealer called within minutes and followed up every step of the process. Highly recommend giving them call. - **Julian D.**



Double Hung Windows with Colonial Grids in White



### Lifetime Warranty

Climate Solutions Windows and Doors offers a **Lifetime Warranty** on its residential window and door products, which covers parts, glass and hardware for your peace of mind.



Casement Windows Flanking Two Picture Windows in White



## Built to Work. Built to Last.

**Climate Solutions** has provided the highest quality materials in windows and doors for over a decade. We manufacture all of our windows and doors out of our Franklin Park location, on the outskirts of Chicago.

Our products are backed with a transferable lifetime warranty, one of the very best warranties in the industry.

*"We strive for a customer experience that is rooted in integrity, innovation, and a commitment to nothing less than excellence."*

– MARIO N., CEO OF CLIMATE SOLUTIONS

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**8100 Series**  
Scan to learn more

