



PREMIUM VINYL  
WINDOWS AND DOORS  
FOR NEW CONSTRUCTION







## WINDOWS AND DOORS YOUR CUSTOMERS CAN TRUST FOR YEARS TO COME

Atrium windows and doors for new construction are precision engineered to deliver the stability, quality and energy efficiency that homebuyers value most—complemented by true and lasting beauty. Every Atrium window and door is designed to meet the strictest building codes: yours. They're the perfect choice for your new construction projects.

### **Premium Vinyl Construction**

Practically maintenance-free, Atrium premium vinyl never needs painting or refinishing, and creates tight seals that dramatically reduce drafts so your homeowners save on heating and cooling costs in any season.

### **Easy Care Beauty**

Our windows tilt in for easy cleaning, and our vinyl never peels, cracks or warps so you can wipe it clean in a snap.

### **Energy Efficient Glass Systems**

Options abound to give your customers state-of-the art energy efficiency, including Low-E glass and Low-E glass with argon gas.

### **Atrium Assurance**

Your customers can trust that they're protected by a limited lifetime warranty on vinyl and working parts and 25-year insulated glass protection on each window (see actual warranty for complete details).

DO NOT REMOVE  
MAKE DATE: 4/9/2017    WARRANTY: 02589514  
SALES ORDER: 00735962

Atrium's new construction windows  
feature our signature brick mould design.



# ENGINEERING EXCELLENCE

## TAILORED FOR NEW CONSTRUCTION

At Atrium, we hold ourselves to a higher standard. Every window and door goes through rigorous quality control measures at each stage, from design to delivery. Our windows and doors for new construction are no exception. With a full range of design options and integrated installation features, they're engineered for error-free installation and ultimate customer satisfaction.

### Fast, Easy Installation

New construction windows and doors have integrated features that ensure smooth, easy installation.

- + Pre-punched nailing fins and integrated J-channel design\*
- + Optional factory mulling of twins and triples
- + Wood jamb extender options to eliminate "drywall return"
- + Special product identification number (PIN) sticker on each product makes ordering replacement parts easy



Pre-punched nailing fins and integrated J-channel\*



3 1/4" flat casing with bull nose

### Custom Shapes, Styles and Sizes

From octagons and trapezoids to full circles, half rounds, eyebrows and more, we can custom craft any window to help make your homes stand out.

- + Standard sizes are available, plus a full range of architectural options to accommodate any building style
- + Factory mulling is available for quick, seamless installation of twins and triples
- + Available colors: white, almond or clay
- + Operable eyebrows & half eyebrows available in Series 150/160

A Sample of Our Many Architectural Shapes



Full Round



Half Round with Sunburst Grid



Half Round with Spoked Grid



Octagon



Trapezoid



\*J-channel not included on 750/755 casement & awning family



# SERIES 5700 SINGLE HUNG WINDOWS

## FOR NEW CONSTRUCTION

### Single hung, picture windows and architectural shapes

- + Removable bottom sash
- + Industry leading .01 cfm/ft air infiltration performance
- + 1-3/8" Nail-fin setback for brick veneer construction and select stucco applications
- + Sweep lock helps provide a weather-tight seal and added security
- + Dual weather-stripping helps block air and water infiltration keeping energy-saving comfort inside
- + Double insulated glass provides energy saving efficiency.
- + Sloped sill reduces air infiltration and accommodates easy water run-off
- + Built-in accessory channels accommodate multiple installation options
- + Versatile half screen\* installs easily from inside
- + Limited lifetime warranty provides reassuring peace of mind
- + Fusion-welded frame and sash minimizes water and air infiltration and enhances overall durability
- + Pre-punched integral nail-fin
- + Modular sized so that rough opening widths for multiple units are easy to calculate:  
3050 Single=35.5"  
3050 Twin=71.5"  
3050 Triple=107.5"
- + DP Rating R50 (window size tested 36" x 96")
- + Jamb depth: 2.625"
- + Limited lifetime warranty with 25 year insulated glass coverage



### CUSTOM Options

- + Low-E Glass
- + Low-E Glass + Argon Gas
- + Ultra Low-E Glass + Argon Gas
- + 5/8" or 3/4" flat, and 5/8" or 1" contoured available
- + Window Opening Control Device (field applied)
- + Factory mulling of twins, triples and architectural shapes
- + Paintable or stainable wood jamb extensions
- + Custom sizes available

### + COLOR OPTIONS

Vinyl Colors:\*

White

Almond

Clay



# SERIES 130 SINGLE HUNG WINDOWS

## FOR NEW CONSTRUCTION AND REPLACEMENT

### Single hung, sliding windows, picture windows and architectural shapes

- + Step Bevel design creates a beautiful exterior appearance
- + Bottom sash tilts in for easy cleaning from inside
- + Aluminum half screen comes standard\*
- + Block & tackle balance system for easy sash movement
- + Fiberglass mesh screen standard\*
- + Warm-Edge spacer system provides energy saving thermal performance
- + DP 50 rating (window size tested 53" x 77")
- + Dual weather-stripping
- + Aluminum reinforcement standard in lock & meeting rails and sash stiles
- + Dual Sweep locks (standard at 27 1/4" and above) help provide a weather-tight seal and added security
- + Step sill design
- + Jamb depth: 3"
- + Limited lifetime warranty with 25 year insulated glass coverage

Vinyl Colors:\*

White

Almond

Clay



Paint Exterior Colors:\*

Hunter Green

Dark Chocolate

Terratone

Clay

Brick Red

Gray

Bronze

Tan



### + COLOR OPTIONS

### SELECT FROM FOUR FRAME TYPES:

Front Flange Only

Nail Fin Only no J-Channel

J-Channel nail fin & front flange

Box Frame no nail fin & no front flange



### CUSTOM Options

- + Non-reflective Low-E Glass and Non-reflective Low-E Glass with Argon Gas
- + Double strength and obscure glass
- + Commodity sizing available
- + Window Opening Control Device
- + Custom sizes and specialty shapes available
- + Factory mulling
- + Eight exterior painted colors
- + 5/8" and 3/4" flat, 5/8" or 1" contoured, and 1 1/8" simulated divided lite (SDL) grids available
- + Optional grid patterns available
- + Paintable or stainable wood jamb extensions
- + Charcoal aluminum mesh screen\*

\*Screens are not meant to restrain a child from falling through an open window.



## SERIES 150 SINGLE HUNG WINDOWS

### FOR NEW CONSTRUCTION



#### Single hung, picture windows and architectural shapes

- + Beautiful, true brick mould exterior frame perimeter
- + Bottom sash tilts in for easy cleaning
- + Fully welded frame and sash corners
- + Sloped sill for easy water run-off
- + DP 50 rating (window size tested 36" x 74")
- + Integrated J-channel (Series 160 available without J-channel)
- + Pre-punched nail fin makes installation simple
- + Insulated glass panels with optimum thermal air space featuring warm-edge spacer system
- + Block & tackle balance system
- + Continuous head and sill on twins and triples
- + Half screen comes standard\*
- + Jamb depth: 3.277"
- + Limited lifetime warranty with 25 year insulated glass coverage

#### CUSTOM Options

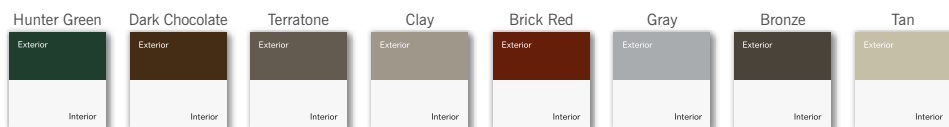
- + Low-E Glass
- + Low-E Glass + Argon Gas
- + Ultra Low-E Glass + Argon Gas
- + 5/8" and 3/4" flat, 5/8" or 1" contoured, and 1 1/8" simulated divided lite (SDL) grids available
- + Eight exterior painted colors
- + Factory mulling of twins, triples and architectural shapes
- + Paintable or stainable wood jamb extensions (4 9/16" and 6 9/16")
- + Charcoal aluminum mesh screen\*
- + Window Opening Control Device restricts sash opening for safety
- + Custom sizes available
- + Window Opening Control Device

#### + COLOR OPTIONS

##### Vinyl Colors:\*



##### Paint Exterior Colors:\*



Printing process may affect color shown. Please refer to actual window sample when selecting colors.

Note: Manufacturer reserves the right to substitute components as necessary for continued product improvement.

\*Screens are not meant to restrain a child from falling through an open window.

# SERIES 450 DOUBLE HUNG WINDOWS FOR NEW CONSTRUCTION

## Double hung, picture windows and architectural shapes

- + Beautiful, true brick mould exterior frame perimeter
- + Both sashes tilt in for easy cleaning
- + Fully welded frame and sash corners
- + Sloped sill for easy water run-off
- + Insulated glass panels with optimum thermal air space featuring warm-edge spacer system
- + DP 35 rating (available with DP 50 option, window size tested 36" x 74")
- + Series 455/465 available with DP 50 rating
- + Integrated J-channel (Series 460 available without J-channel)
- + Pre-punched nail fin makes installation simple
- + Block & tackle balance system
- + Continuous head and sill on twins and triples
- + Half screen comes standard\*
- + Jamb depth: 3.868"
- + Limited lifetime warranty with 25 year insulated glass coverage



## CUSTOM Options

- + Low-E Glass
- + Low-E Glass + Argon Gas
- + Ultra Low-E Glass + Argon Gas
- + Dual push-button night vents for secure ventilation
- + 5/8" and 3/4" flat, 5/8" or 1" contoured, and 1 1/8" simulated divided lite (SDL) grids available
- + Factory mulling of twins, triples and architectural shapes
- + 3 1/4" flat casing with bull nose
- + Paintable or stainable wood jamb extensions (4 1/16" and 6 1/16")
- + Brass or brushed nickel locks
- + Charcoal aluminum mesh screen\*
- + Window Opening Control Device restricts sash opening for safety
- + Custom sizes available
- + Eight exterior painted colors

## + COLOR OPTIONS

### Vinyl Colors:\*



### Paint Exterior Colors:\*





## SERIES 750 CASEMENT & 755 AWNING WINDOWS

Atrium vinyl casement and awning windows provide a smooth, clean appearance to enhance any contemporary home, cottage or bungalow.



- + Beautiful, true brick mould exterior frame perimeter
- + Low profile handle folds in and provides a popular aesthetic appeal
- + Narrow profile permits expanded viewing area
- + Fusion-welded frame and sash ensure weather-tight performance
- + Full-perimeter double weather stripping
- + Pre-punched nail fin makes installation simple
- + Insulated glass panels with optimum thermal air space featuring warm-edge spacer system
- + Concealed hinges and hardware let you open casement windows 90 degrees for better ventilation and easier cleaning
- + Full screens mount on the interior and are removable for easy cleaning\*
- + Tandem locks come standard on all casements over 34" in height
- + Jamb depth: 3.25"

## CUSTOM Options

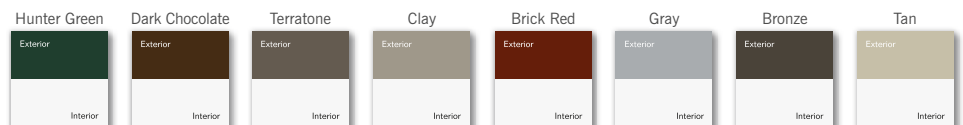
- + Low-E Glass
- + Low-E Glass + Argon Gas
- + Ultra Low-E Glass + Argon Gas
- + 2" simulated meeting rail
- + Charcoal aluminum mesh screen\*
- + Coastal Upgrade
- + Color Options: White, Almond, and eight exterior painted colors.

### + COLOR OPTIONS

Vinyl Colors:\*



Paint Exterior Colors:\*



Printing process may affect color shown. Please refer to actual window sample when selecting colors.

Only use mild water based household cleaner on painted product and rinse immediately.

Note: Manufacturer reserves the right to substitute components as necessary for continued product improvement.

\*Screens are not meant to restrain a child from falling through an open window.

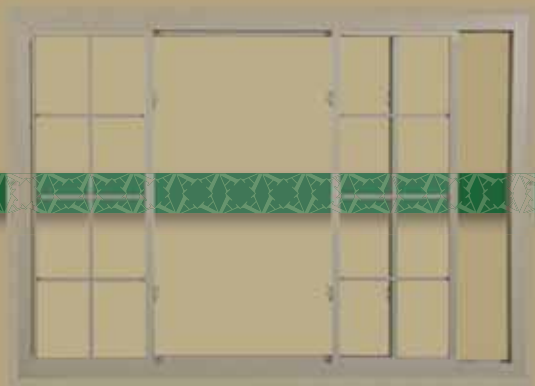


## ALSO AVAILABLE

- + Series 5700 Slider
- + Series 130 Slider

## SERIES 151 AND 451 SLIDING WINDOWS

When a horizontal window is preferred, sliding windows offer a sleek and modern look to brighten any room.



- + Beautiful, true brick mould exterior frame perimeter
- + Aluminum-reinforced lock rail and meeting rails add strength
- + Tandem rollers provide easy sash mobility
- + Integrated glide rail allows easy sash opening and closing
- + Available in XO or OX configurations (sliding panel on left or right)
- + Integrated J-channel (Series 161/461 available without J-channel)
- + Pre-punched nail fin simplifies installation
- + Insulated glass panels featuring warm-edge spacer system
- + Fusion-welded frame and sash corners help prevent air and water infiltration
- + 2-lite and 3-lite configurations available
- + Half screen comes standard\*
- + Charcoal fiberglass mesh screen\*
- + Jamb depth: Series 151/161: 3.277" Series 451/461: 3.868"
- + Limited lifetime warranty with 25 year insulated glass coverage

## CUSTOM Options

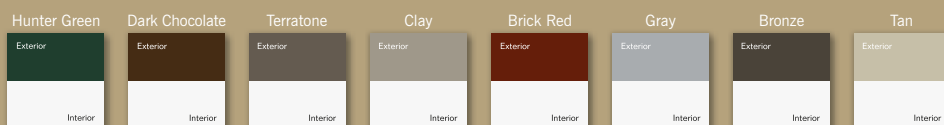
- + Low-E Glass
- + Low-E Glass + Argon Gas
- + Ultra Low-E Glass + Argon Gas
- + 5/8" or 3/4" flat, 5/8" or 1" contoured, and 1 1/8" simulated divided lite (SDL) grids available
- + Paintable or stainable wood jamb extensions (4 1/16" and 6 1/16")
- + Factory mulling of twins, triples and factory shapes
- + Brass or brushed nickel locks on 451/461
- + Charcoal aluminum mesh screen\*
- + Custom sizes available
- + Window Opening Control Device
- + Eight exterior painted colors

### + COLOR OPTIONS

#### Vinyl Colors:\*



#### Paint Exterior Colors:\*



## ATRIUM SLIDING PATIO DOORS



Atrium's series of vinyl patio doors opens up a world of possibilities for your project. Classic styling. Superior construction. Nearly maintenance-free, forever.

Raised simulated divided lite grids offer a stylish and traditional look. All other grids come secured in place between panes, which allows for easy cleaning without removing or working around grids.



### 332 Sliding Patio Doors

- + Offered in range of sizes: 5', 6', 6'4", 8', 9', even 12'
- + Custom sizes available
- + Available in 8' height
- + DP 50 rating, great for coastal applications
- + Easy installation in new construction applications with built-in 4 1/16" jamb
- + Field reversible (6'8" height only; not available with BBG)
- + Available in 6'8" height up to 12' wide
- + Additional security available with multi-point keyed lock
- + Deluxe color-matched hardware (Brass standard for laminate and paint)
- + Brushed nickel or brass handle (optional)
- + Tremendous options selection, including snap-in brick mould and foot bolt lock
- + Available in Ultra Low-E Glass + Argon Gas (not available with BBG)
- + Optional 1 1/8" SDL, a traditional simulated divided lite raised-style grid
- + Heavy duty screen
- + Exterior painted colors (not available on 4 panel doors), interior wood laminates, and bronze exterior laminate available
- + Optional Coastal Upgrade

### 332 Options



Dual Point Lock  
(Standard)



Brick Mould  
J-Channel



Foot Bolt  
Lock



### 312 Sliding Patio Doors

- + Offered in range of sizes: 5', 6', 6'4", 8', 9', even 12'
- + Custom sizes available
- + Available in 6'8" height up to 12' wide
- + Field reversible (not available with BBG)
- + Aluminum track for moving panel
- + Easy installation in new construction applications
- + Screen comes standard
- + Deluxe color-matched hardware
- + Brushed nickel or brass handle (optional)
- + Keyed lock standard
- + Available in Ultra Low-E Glass + Argon Gas (not available with BBG)
- + Optional 1 1/8" SDL, a traditional simulated divided lite raised-style grid
- + Exterior painted colors (not available on 4 panel doors), interior wood laminates, and bronze exterior laminate available
- + Optional Coastal Upgrade



### 311 Sliding Patio Doors

- + Offered only in 5', 6' and 6'4" sizes
- + White only, screen optional
- + Field reversible
- + White handle with lock
- + Exceptional value

### Blinds Between the Glass

Available with 332 and 312 patio doors in 6068.

Available in white, almond, clay laminates and painted colors.

Blinds, operators and glass panels available in white only.



Easy to raise, lower and tilt blinds



Controls light and privacy



Never needs dusting and is safe for pets and children

### Our Warranty

Every Atrium patio door is backed by a limited lifetime warranty on the vinyl and all working parts as well as a 25-year limited warranty against seal failure. And throughout the warranty period, you can easily obtain replacement parts because each unit is individually registered.

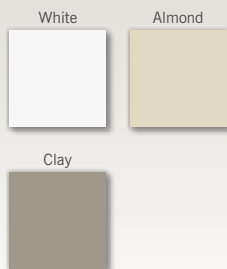
DO NOT REMOVE  
MAKE DATE: 4/9/2017 WARRANTY: 02589514  
SALES ORDER: 00735962

### + COLOR OPTIONS\*

Available with models 332 and 312

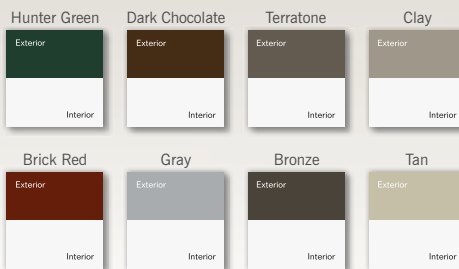
Printing process may affect color shown. Please refer to actual window sample when selecting colors.

#### Vinyl Colors:\*

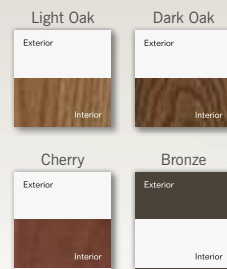


#### Paint Exterior Colors:\*

(Not available with 4 panel doors)



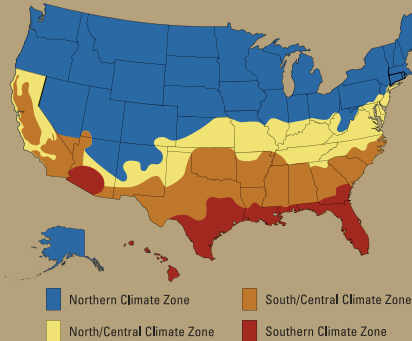
#### Laminate Color Options:\*



# HIGH PERFORMANCE, ENERGY EFFICIENT GLASS SYSTEMS

Atrium windows and doors are engineered with state-of-the-art glass technology to give you outstanding thermal efficiency. With a full range of glass options and special insulated spacers, we have a glass package to fit any climate need or budget.

Energy Star Climate Zone Map



Criteria for Windows

Climate Zone	U-Factor	SHGC	
Northern:	$\leq 0.27$	Any	Prescriptive
	$\leq 0.28$	$\geq 0.32$	Equivalent
	$\leq 0.29$	$\geq 0.37$	Energy
	$\leq 0.30$	$\geq 0.42$	Performance
North/Central:	$\leq 0.30$	$\leq 0.40$	
South/Central:	$\leq 0.30$	$\leq 0.25$	
Southern:	$\leq 0.40$	$\leq 0.25$	
Air Leakage Rating:	$\leq 0.3 \text{ cfm/ft}^2$		

Criteria for Patio Doors

Glazing Level	U-Factor	SHGC	
≤ 1/2 Lite:	≤ 0.25	≤ 0.25	
> 1/2 Lite:	≤ 0.30	Northern:	≤ 0.40
		North/Central:	≤ 0.40
		South/Central:	≤ 0.25
		Southern:	≤ 0.25
Air Leakage Rating for Sliding Doors:		≤ 0.3 cfm/ft²	



## Low-E Glass

Low-E glass is coated with a microscopic layer of silver that reflects radiant solar energy while permitting visible light to pass through the glass, providing more comfort and lower energy costs.



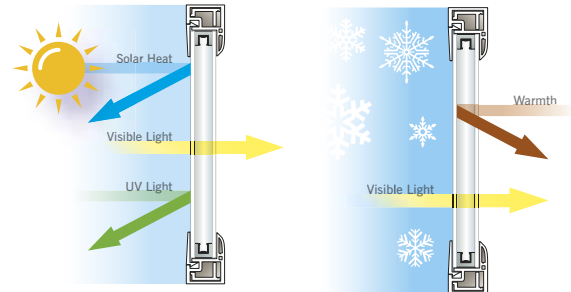
## Low-E Glass + Argon Gas

Argon gas works like an insulating blanket between two panes of glass to further improve thermal efficiency and decrease outside sound levels.



## Ultra Low-E Glass + Argon Gas

Choose our ultimate glass package for optimal energy efficiency and maximum cost savings. Ultra Low-E glass offers three invisible layers of silver coating in addition to the superior thermal performance of argon gas.



+ Low-E glass reduces heat gain from the sun in the summer, keeping your home cooler.

+ In the winter, Low-E glass lets the warm solar rays in while blocking the heat in your home from getting out.



ENERGY STAR compliance available in all series.  
Verify product specifics before ordering.

energy efficient

DISTRIBUTED BY:

**ATRIUM**  
WINDOWS AND DOORS



[atrium.com](http://atrium.com)

