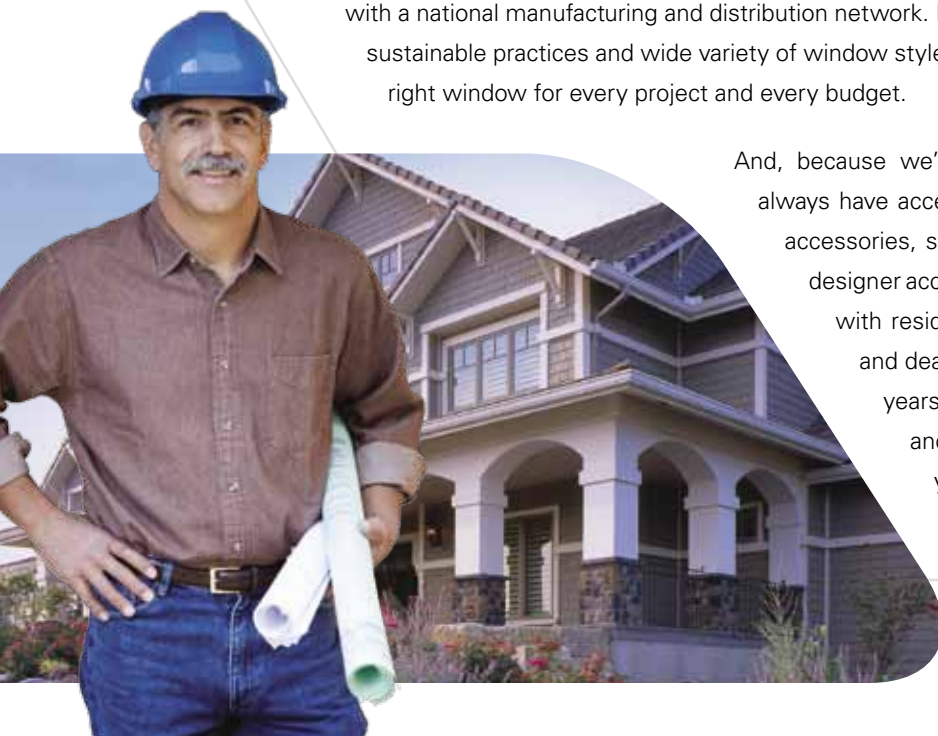


A WHOLE NEW POINT OF VIEW.

**It's more than a window. It's a whole new point of view.** At Ply Gem Windows, we have a different view for the way the window business should be run. We believe you should have access to all of the top quality styles and brands across the country. That's why we've taken our entire portfolio of brands, brands that you know and trust, and given them one name – Ply Gem Windows. With this one name comes a lot of big advantages, starting with a national manufacturing and distribution network. Pair that with our commitment to customer service, sustainable practices and wide variety of window styles that fit all of your design needs, and you'll get the right window for every project and every budget.

And, because we're part of the Ply Gem family, you know you'll always have access to leading brands. Windows, doors, siding and accessories, stone veneer, fence and rail, rainware, shutters and designer accents, we have something for every project. We work with residential builders, remodelers, architects, distributors and dealers to help build sales. When you combine over 50 years of experience, industry-leading customer service, and trusted local relationships you've got a company you can count on. **Ply Gem. Building products.**

**Building success.**







# PREMIUM SERIES

W I N D O W S

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**PLY GEM PREMIUM SERIES WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

This means you can be assured that Ply Gem Premium Series windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



**Feel at home with performance and luxury.**

Home is a feeling. A feeling of peace and comfort. A feeling of security. A feeling of pride that this is your corner of the world, filled with the things you value most. Designed with enduring beauty and style — built for performance — this is the feel of Ply Gem Windows Premium Series. The feel of home.



A WHOLE NEW POINT OF VIEW.



## 1000 DOUBLE HUNG

**1000 DOUBLE HUNG WINDOWS**, with their ideal mix of classic styling and convenient operation, continue to enthrall home owners who want windows that have a timeless look yet are easy to use. Our double hung windows combine enduring style with modern innovation to create a window that's picture perfect for your home.





## FEATURES

- 1 Integral pre-punched nailing fin facilitates easy and accurate installation
- 2 Constant force balance system for ease of operation
- 3 Maintenance-free multi-chamber New Generation PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 4 Equal sightlines for traditional wood window aesthetics
- 5 Aluminum extruded half screen with fiberglass mesh
- 6 Tilt latches keep sashes secure and allow for easy tilt-in of the sashes for simple and safe cleaning of windows
- 7 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 8 High-security flush mount cam-action sash locks (two are standard on all windows over 25" wide) and full interlocks with double weatherstrip provide airtightness and added security
- 9 Patented R-Core® insulation in frame adds energy efficiency
- 10 Solid top and bottom lift rails for convenient easy operation; our unique weatherstripped sill with SilLock design ensures long-term performance
- 11 Ventilation limit latch enables window to vent in a partially open position
- 12 Rated for light commercial application
- 13 Interforce II™ reinforced meeting rails on double hung and sliding windows with Premium Series Energy Package options, feature internal structural fiberglass extrusions for reinforcement along with an integral interlocking system, providing unsurpassed strength and durability without conduction



A



Flush-mounted cam-action locks

B



Ventilation limit latches

C



Interforce II™ fiberglass-reinforced sash meeting rails on units configured with optional Premium Series Energy Packages.

D



Ergonomically designed tilt-latch for ease of cleaning

E



Top and bottom lift rail for ease of operation



## 1000 SLIDING WINDOW

**1000 SLIDING WINDOWS.** A natural pick for discriminating home owners, these beautiful windows let you relish in nature – on your own terms. Features like narrow sight lines and smooth gliding tracks allow you to drink in your view and catch a nice breeze, while our energy efficient and durable design keeps your home safe and snug.



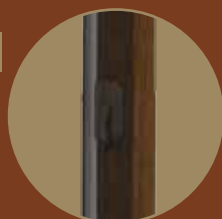


## FEATURES

- 1 Integral pre-punched nailing fin facilitates easy and accurate installation
- 2 Maintenance-free multi-chamber New Generation PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 3 Patented R-Core® insulation in frame adds energy efficiency
- 4 State-of-the-art track and adjustable brass roller system for effortless operation
- 5 Removable sash for easy and safe cleaning of windows
- 6 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 7 High-security flush mount cam-action sash locks (two are standard on all windows over 25" tall) and full interlocks with double weatherstrip provide airtightness and added security
- 8 Solid dual pull rails for convenient operation
- 9 Ventilation limit latch enables window to vent in a partially open position
- 10 Narrow sight lines offer an expansive view of the beautiful outdoors
- 11 Aluminum extruded half screen with fiberglass mesh
- 12 Interforce II™ reinforced meeting rails on double hung and sliding windows with Premium Series Energy Package options, feature internal structural fiberglass extrusions for reinforcement along with an integral interlocking system, providing unsurpassed strength and durability without conduction



A



Flush-mounted cam-action locks

B



Left and right pull rails for ease of operation

C



Ventilation limit latches

D



Interforce II™ fiberglass-reinforced sash meeting rails on units configured with optional Premium Series Energy Packages.



## 700 CASEMENT & AWNING WINDOW

**700 CASEMENT & AWNING WINDOWS.** Dressing up your home with European flair has never been so rewarding. With a full 90° sweep, these windows give nature a warm welcome in nice weather. But they work even better at giving bad weather the cold shoulder. Configurations include single, triple and quad integral mulled or factory mulled units.



## Color Options

### NATURAL OAK WOODGRAIN

INTERIOR



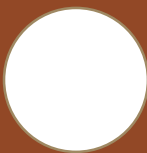
EXTERIOR



WHITE BEIGE

### WHITE

INTERIOR



EXTERIOR



WHITE

### BEIGE

INTERIOR



EXTERIOR



BEIGE

## FEATURES

- 1 Integral pre-punched nailing fin facilitates easy and accurate installation
- 2 Sleek fold-down and nesting crank handle minimizes interference with window treatments
- 3 Dual row of weatherstripping seals out the weather and seals in your comfort
- 4 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 5 Multi-point lock with stainless steel hardware and fasteners for durability and added security
- 6 Maintenance-free multi-chamber PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 7  $3\frac{7}{16}$ " frame depth with heavy vinyl walls for strength and stability
- 8 Rated for light commercial application



A



Fusion-welded strength

B



Folding/nesting operator handle

C



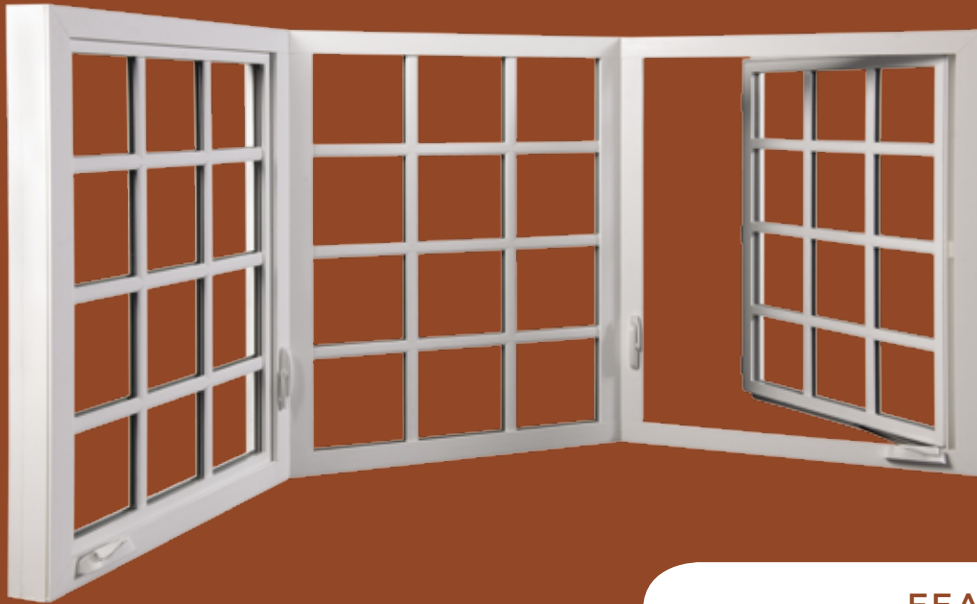
Matching lock features a sleek operating design





## 700 BAY WINDOWS

**700 BAY WINDOWS.** Custom made with every detail in mind, our bay windows offer an array of designer accessories with endless design options. Bays available in 3 or 4 window, 35° and 45° configurations.

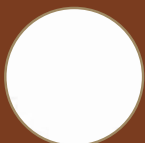


## FEATURES

- 1 Frame types include no fin, single wall flush fin, stucco key, J-Channel or nail fin with 1<sup>3</sup>/<sub>8</sub>" setback with optional head and seat with jamb extensions\*
- 2 Sleek fold-down and nesting crank handle minimizes interference with window treatments
- 3 Dual row of weatherstripping seals out the weather and seals in your comfort
- 4 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 5 Multi-point lock with stainless steel hardware and fasteners for durability and added security
- 6 Maintenance-free multi-chamber PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 7 3<sup>7</sup>/<sub>16</sub>" frame depth with heavy vinyl walls for strength and stability
- 8 Rated for light commercial application



## Color Options



WHITE



BEIGE

Bay windows available in white and beige. Available with or without head, seatboard and extension jambs which come unfinished.



## External Knee Braces

- 1 Provides exterior support for bay windows\*
- 2 Available in white and beige
- 3 Pre-finished to be maintenance free

\* Additional knee braces and cable system are required for bay window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bay window will void the warranty.



## 700 BOW WINDOWS

**700 BOW WINDOWS.** Custom made with every detail in mind, our bow windows offer an array of designer accessories with endless design options. Bows available in 3, 4 or 5 window configurations.



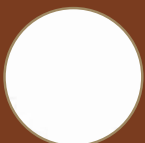


## FEATURES

- 1 Frame types include no fin, single wall flush fin, stucco key, J-Channel or nail fin with  $1\frac{3}{8}$ " setback with optional head and seat with jamb extensions\*
- 2 Sleek fold-down and nesting crank handle minimizes interference with window treatments
- 3 Dual row of weatherstripping seals out the weather and seals in your comfort
- 4 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 5 Multi-point lock with stainless steel hardware and fasteners for durability and added security
- 6 Maintenance-free multi-chamber PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 7  $3\frac{7}{16}$ " frame depth with heavy vinyl walls for strength and stability
- 8 Rated for light commercial application



## Color Options



WHITE



BEIGE

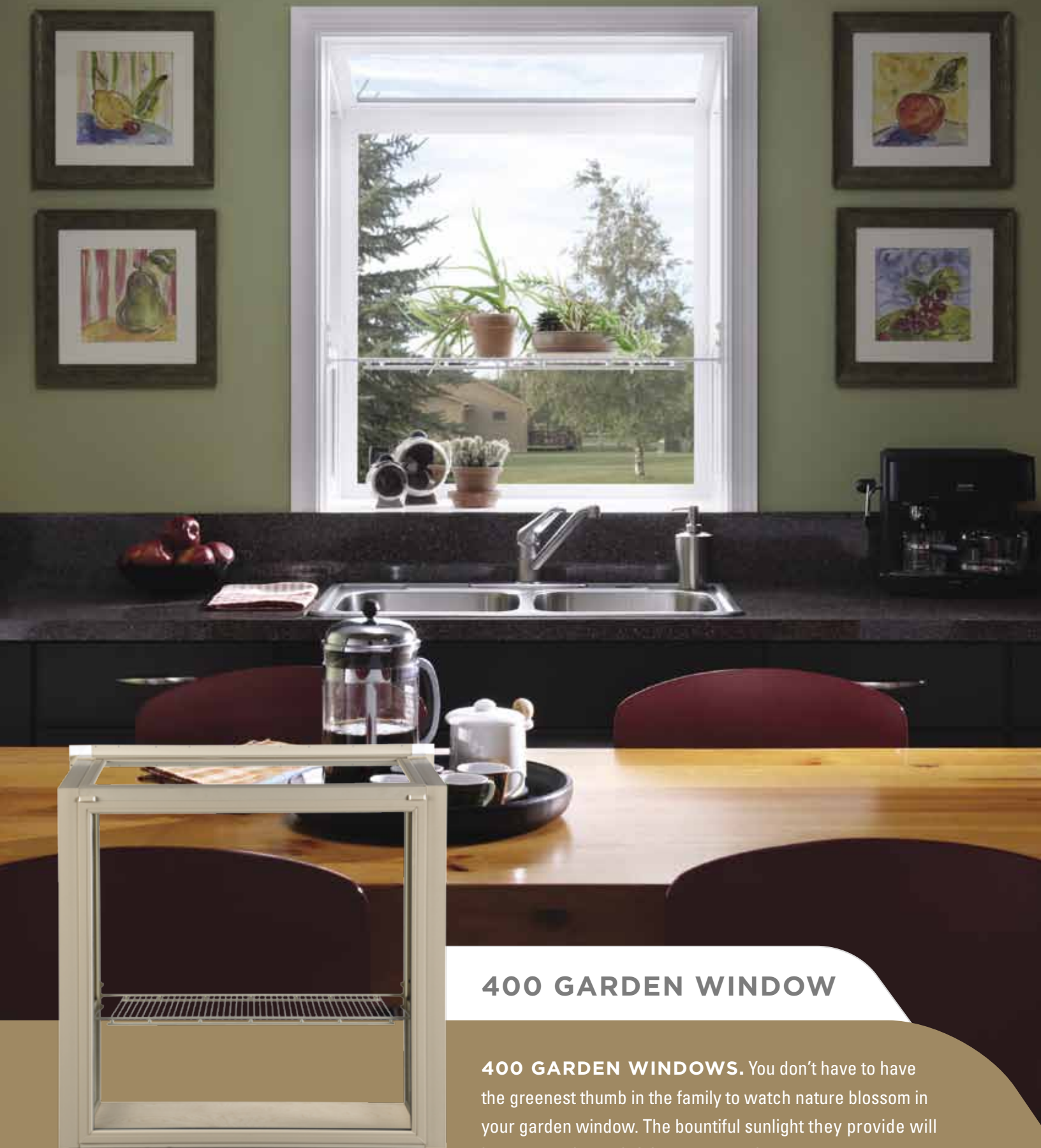
Bow windows available in white and beige. Available with or without head, seatboard and extension jambs which come unfinished.



## External Knee Braces

- 1 Provides exterior support for bow windows\*
- 2 Available in white and beige
- 3 Pre-finished to be maintenance free

\* Additional knee braces and cable system are required for bay window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bow window will void the warranty.



## 400 GARDEN WINDOW

**400 GARDEN WINDOWS.** You don't have to have the greenest thumb in the family to watch nature blossom in your garden window. The bountiful sunlight they provide will keep your plants thriving year round.

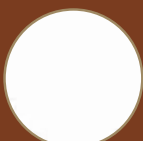


## FEATURES

- 1 No fin or flange style nail fin with unfinished seatboard<sup>1</sup>
- 2 New Generation uPVC vinyl never needs painting or caulking and resists conducting heat and cold
- 3 Durable powder coated steel wire shelf maximizes the area for your herb garden and plants
- 4 Operating single hung windows on each side allow for ventilation
- 5 Fusion-welded frames and sash for extra strength and dependable performance
- 6 Available in white or beige color options
- 7 Sloped top lite is only available with a dual pane insulated glass unit
- 8 Energy-efficient Warm Edge insulating HP glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading



## Color Options



WHITE



BEIGE

Garden windows available in white and beige. Seatboard comes unfinished.

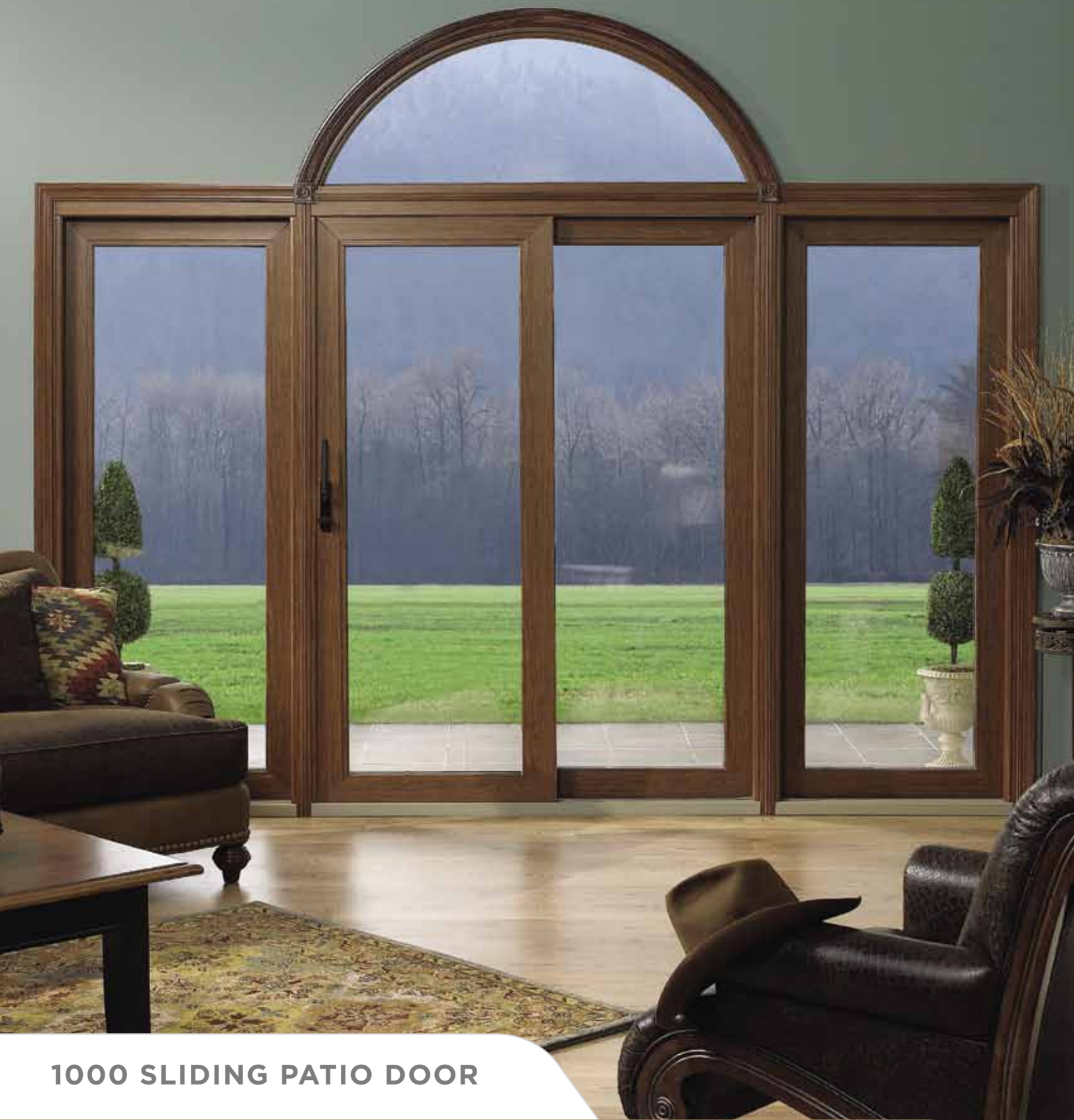


## External Knee Braces

- 1 Provides exterior support for bay windows\*
- 2 Available in white and beige
- 3 Pre-finished to be maintenance free

\* Additional knee braces and cable system are required for bay window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bay window will void the warranty.





## 1000 SLIDING PATIO DOOR

**SLIDING PATIO DOORS** are your home's way of welcoming guests with arms wide open. But when heat, cold, rain, wind or intruders come knocking, this beauty is as tough as nails. Configurations include two, three and four panel operating units as well as complementary side lites and transoms.



The EuroGlide operating system literally lifts the door panel off the sill to allow the door to glide effortlessly with the push of one finger.

## FEATURES

- 1 Energy-efficient Warm Edge insulating HP tempered glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 2 Custom-fit interlock system provide extra protection against air infiltration for enhanced energy performance
- 3 Handle literally lifts the door panel off the sill when rotated 180°
- 4 Ball bearing roller system enables a door weighing up to 550 lbs. to glide smoothly open and closed with just the push of a finger (just 8 lbs. of force)
- 5 Anti-take-out device in the head of every door makes it virtually impossible to remove the active panel even with the rollers in their lowest adjustment position providing comfort and peace of mind
- 6 Available on Ply Gem Premium Series patio doors, optional pet resistant screen is seven times stronger than standard insect screening and offers excellent outward visibility, is made from vinyl-coated polyester and is not harmful to pets
- 7 Constructed of New Generation uPVC vinyl for enduring beauty with fusion-welded panels for added strength and durability



Multi-position optional footbolt



Moving the handle 180° actually lifts the door off the sill, enabling it to glide effortlessly.

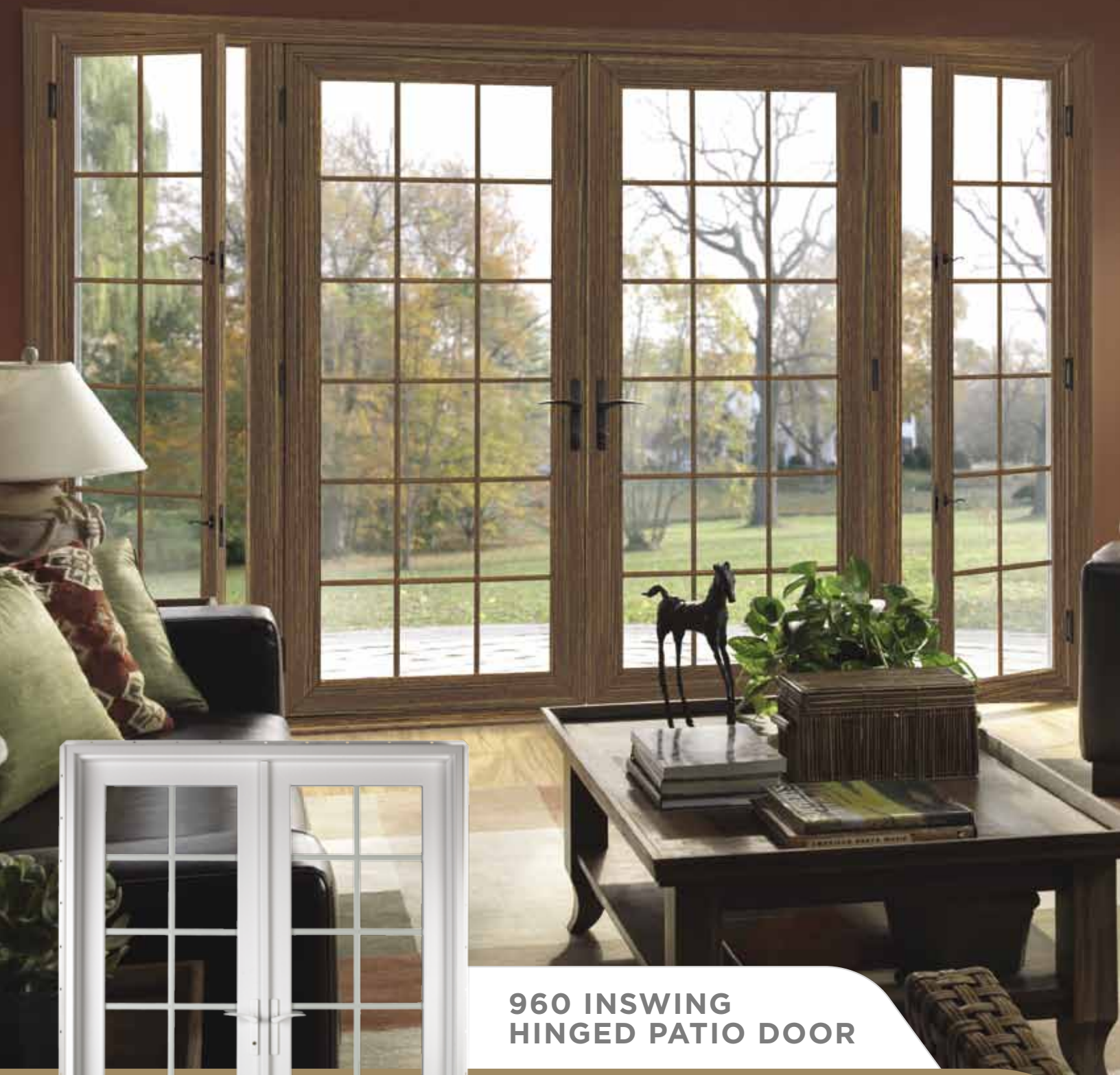


SATIN  
NICKEL



OIL-RUBBED





## 960 INSWING HINGED PATIO DOOR

**960 INSWING HINGED PATIO DOORS** allow you to wash your home in warm sunlight, making your indoor spaces more lovely and livable, the perfect expression of your own design style. Because these eye-catching doors open inwardly, you'll have more freedom and flexibility when designing the outdoor living area on the other side.



# 960 INSWING HINGED PATIO DOOR



## NATURAL OAK WOODGRAIN

INTERIOR



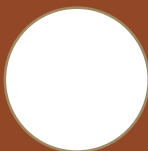
EXTERIOR



WHITE

## WHITE

INTERIOR



EXTERIOR



WHITE

## TAN

INTERIOR



EXTERIOR



TAN

## FEATURES

- 1 Integral pre-punched nailing fin facilitates easy and accurate installation
- 2 Maintenance-free multi-chamber New Generation PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 3 Available configurations include French hinged, center hinged or hinged (shown) operation
- 4 High performance multi-point locking system that includes a steel latch and dead bolt and shoot bolt in the head and threshold — withstands up to 300 lbs. of force
- 5 Energy-efficient Warm Edge insulating HP tempered glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 6 Heavy duty two way adjustable hinges allow for ease of installation and ensure proper alignment
- 7 4 <sup>13</sup>/<sub>16</sub> " frame depth with heavy vinyl walls for strength and stability
- 8 Anodized aluminum threshold cover



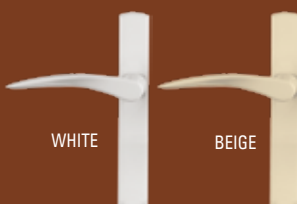
## Standard Handle Colors



Exterior keyed lock



Interior lock



WHITE

BEIGE

\*Exterior handles are white or beige.

## Optional Handle Colors



SATIN  
NICKEL

POLISHED  
CHROME

ANTIQUE  
BRASS

POLISHED  
BRASS

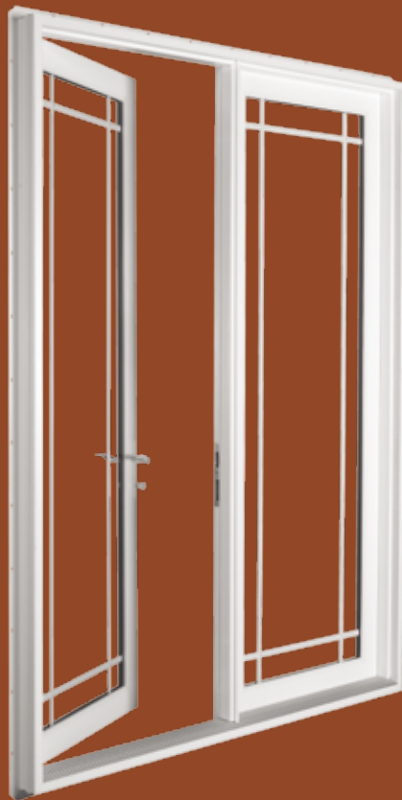
OIL-  
RUBBED



## 960 OUTSWING HINGED PATIO DOOR

**960 OUTSWING HINGED PATIO DOORS.** Whether you're in the mood to throw open your doors and embrace the world or serenely gaze on Mother Nature from inside, these beautifully styled patio doors will let you indulge your whim while maximizing your indoor space. Their elegant yet secure design protects you from the elements and intruders.

# 960 OUTSWING HINGED PATIO DOOR



## NATURAL OAK WOODGRAIN

INTERIOR



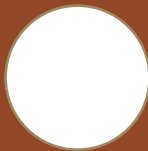
EXTERIOR



WHITE

## WHITE

INTERIOR



EXTERIOR



WHITE

## TAN

INTERIOR



EXTERIOR



TAN

## FEATURES

- 1 Integral pre-punched nailing fin facilitates easy and accurate installation
- 2 Maintenance-free multi-chamber New Generation PVC vinyl construction with fusion welded corners for durability, weather-tight performance and beauty
- 3 Available configurations include French hinged, center hinged or hinged (shown) operation
- 4 High performance multi-point locking system that includes a steel latch and dead bolt and shoot bolt in the head and threshold – withstands up to 300 lbs. of force
- 5 Energy-efficient Warm Edge insulating HP tempered glass, combining Low-E with argon gas fill, reduces energy costs and fabric fading
- 6 Heavy duty two way adjustable hinges allow for ease of installation and ensure proper alignment
- 7 4 <sup>13</sup>/<sub>16</sub>" frame depth with heavy vinyl walls for strength and stability
- 8 Anodized aluminum threshold cover



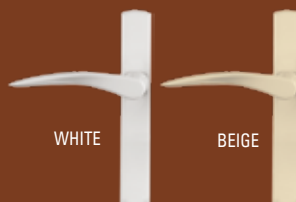
## Standard Handle Colors



Exterior keyed lock



Interior lock



WHITE

BEIGE

\*Exterior handles are white or beige.

## Optional Handle Colors



SATIN  
NICKEL

POLISHED  
CHROME

ANTIQUE  
BRASS

POLISHED  
BRASS

OIL-  
RUBBED



# COLOR OPTIONS

## NATURAL OAK WOODGRAIN

INTERIOR



EXTERIOR



## NATURAL CHERRY WOODGRAIN

INTERIOR

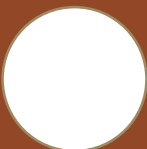


EXTERIOR



## WHITE

INTERIOR



EXTERIOR



## BEIGE

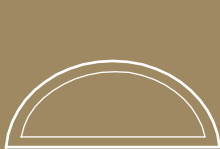
INTERIOR



EXTERIOR



# ARCHITECTURAL SHAPES



Half Round



Extended Half Round



Full Round



Quarter Round



Extended Quarter Round



Eyebrow



Extended Eyebrow



Quarter Eyebrow



Extended Quarter Eyebrow



Ellipse



Full Oval



Gothic Eyebrow



Extended Gothic



Octagon



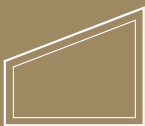
Extended Octagon



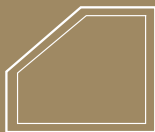
Hexagon



Extended Hexagon



Trapezoid Left or Right



Clipped Trapezoid



Pentagon



Pentagon Equilateral



Right Angle Triangle



Isosceles Triangle

## GRILLE OPTIONS

**GBG = Grilles-between-the-glass**  
**SDL = Simulated-divided-lites**

\*SDL available on casements, awnings, bays, bows, garden windows and hinged patio doors.



5/8" Flat GBG



5/8" Sculptured GBG



1" Sculptured GBG



7/8" SDL



1 1/4" SDL

## CUSTOM SIZING



Ply Gem Premium windows and patio doors can be ordered in 1/8" increments for any application providing a perfect fit and minimizing installation time and special trimming requirements.

## FRAME OPTIONS

Dual wall flush fin, single wall flush fin, no fin, 1 3/8" nail fin setback with stucco key or J-Channel

## SCREEN OPTIONS

Fiberglass mesh is the standard insect screening material used on all Ply Gem Windows products with available half or full screens. This product provides good outward visibility and ventilation and will not rust, corrode or stain. Additional options available include:

### **SOLAR BLOCK SCREEN**

Blocks 70% of the sun's heat and glare. Keeps living spaces cooler, reduces energy costs and protects furnishings against fading.

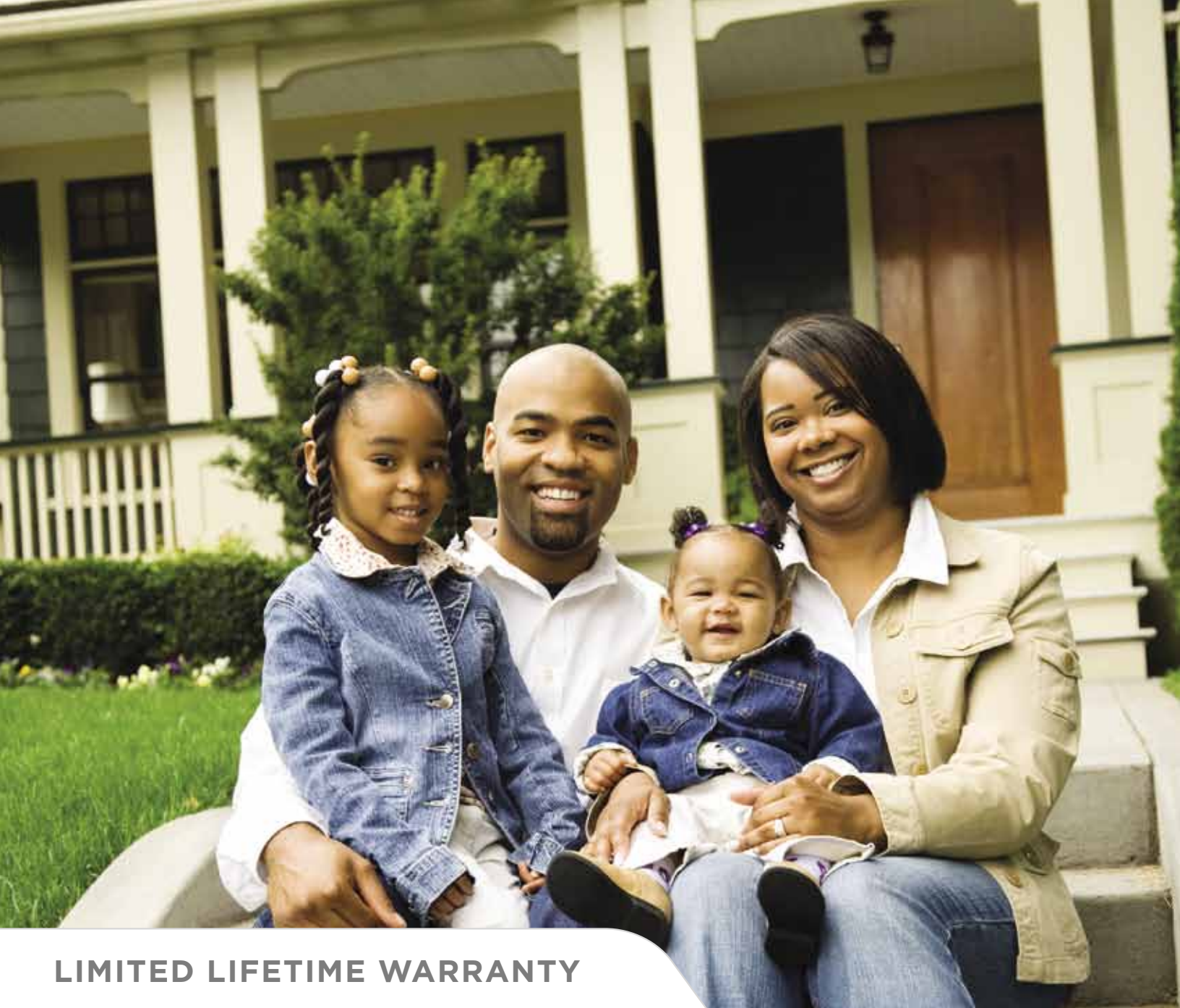
### **OPTIMAL VIEWING SCREEN**

Thinner fiberglass material allows maximum viewing while tighter mesh pattern keeps out tiny insects.

### **PET RESISTANT SCREEN<sup>1</sup>**

Strong vinyl-coated polyester and provides a screen seven times stronger than traditional insect screening with excellent outward visibility.

1. Doors only.



## LIMITED LIFETIME WARRANTY

### One of Life's Few Guarantees.

Life comes with few guarantees. Fortunately, Premium Windows offer you a permanent solution. Our custom vinyl windows offer more than construction quality, unmatched energy efficiency and low maintenance. They also offer a Lifetime Limited Warranty.

We believe so strongly in the durability of our windows that we back each window unit with our hassle-free Limited Lifetime Warranty. Lifetime means your windows are protected under the warranty for as long as you live in your home. And your warranty is transferable to the next homeowner helping you protect your investment by increasing your home's resale value.

Wouldn't it be nice if you could feel so confident about everything you bought?







The **HP or HP<sup>SC</sup> Glass System** has one lite of soft-coat,  $\frac{7}{8}$ " single-surface multilayer vacuum-deposition Low-E or solar cooling Low-E insulated glass unit with argon gas. Argon gas is 40% denser than air.\* Because glass makes up the majority of a window's surface, a better glass unit means better energy efficiency.

*\*Figure courtesy of Linde Gas, Inc.*



**HP<sup>MAX</sup> Glass System** is triple pane, combining two panes of multilayered vacuum-deposition Low-E glass with an interior glass substrate and two insulating chambers of argon gas. The result is a  $\frac{7}{8}$ " insulated glass unit that is nearly four times more energy efficient than clear insulating glass. Premium Windows with the HP<sup>MAX</sup> glass system are among the most thermally-efficient windows you can buy today.

**Optional Advanced Easy Clean<sup>®</sup> Glass** is a remarkable advancement in glass design that eliminates frequent exterior window cleaning. Windows and doors with special Easy Clean Glass require less effort than windows with ordinary glass.



#### ADDITIONAL GLASS OPTIONS AVAILABLE WITH PREMIUM PRODUCTS INCLUDE:

- Clear
- Glue Chip Obscure
- Tempered
- Tinted
- Sound Package  
(off-set glass)
- Laminated  
(security)
- Obscure\*

\*Limitations of triple pane obscure substitutions, see price book for details.

#### ENERGY PACKAGE UPGRADE OPTIONS



The Energy Package Upgrade options include the HP Glass Package of your choice with the addition of R-core to the sash and frame. R-Core<sup>®</sup> is a patented process utilizing pre-formed polyurethane insulation. In addition, Interforce II<sup>™</sup> fiberglass reinforcement is placed in the meeting rails of double hung and slide windows. The Energy Package options provide unsurpassed strength, durability and energy efficiency.



## ENERGY STAR® CLIMATE ZONES

Ply Gem Premium Series windows and patio doors product styles can be configured to meet all ENERGY STAR 2010 and Stimulus requirements. Your investment in ENERGY STAR products will pay for itself over time in reduced energy bills, not to mention increase the comfort level inside your home.



ENERGY STAR® Qualification Criteria WINDOWS and DOORS		
Zone	U-Factor	SHGC
Northern	≤ 0.31	ANY
North/Central	≤ 0.32	≤ 0.40
South/Central	≤ 0.35	≤ 0.30
Southern	≤ 0.60	≤ 0.27

## WHAT IS LOW-E?



It is a microscopically thin, virtually invisible metallic oxide layer deposited on a window glazing surface. Low-E can reduce heating and cooling bills while dramatically improving overall comfort.

Ply Gem Windows and Patio Doors with the High Performance Low-E glazing system can be configured to meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.



## PREMIUM SERIES 1000 DOUBLE HUNG

2.5 mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
7/8" Clear	2.17	0.46	0.58	0.61
7/8" HP	3.23	0.31	0.27	0.51
7/8" HP <sup>SC</sup>	3.23	0.31	0.20	0.40
7/8" HP <sub>MAX</sub>	4.55	0.22	0.23	0.40
7/8" EP	3.33	0.30	0.27	0.51
7/8" EP <sup>SC</sup>	3.33	0.30	0.20	0.40
7/8" EP <sub>MAX</sub>	4.76	0.21	0.23	0.40
WITH WARM EDGE+				
7/8" HP	3.33	0.30	0.27	0.51
7/8" HP <sup>SC</sup>	3.45	0.29	0.20	0.40
7/8" EP	3.57	0.28	0.27	0.51
7/8" EP <sup>SC</sup>	3.70	0.27	0.20	0.40

## PREMIUM SERIES 1000 SLIDING WINDOW

2.5 mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
7/8" Clear	2.17	0.46	0.58	0.60
7/8" HP	3.33	0.30	0.26	0.50
7/8" HP <sup>SC</sup>	3.33	0.30	0.20	0.39
7/8" HP <sub>MAX</sub>	4.17	0.24	0.23	0.39
7/8" EP	3.45	0.29	0.26	0.50
7/8" EP <sup>SC</sup>	3.45	0.29	0.20	0.39
7/8" EP <sub>MAX</sub>	4.35	0.23	0.23	0.39
WITH WARM EDGE+				
7/8" HP	3.45	0.29	0.26	0.50
7/8" HP <sup>SC</sup>	3.45	0.29	0.20	0.39
7/8" EP	3.57	0.28	0.26	0.50
7/8" EP <sup>SC</sup>	3.57	0.28	0.20	0.39

## PREMIUM SERIES 1000 SLIDING PATIO DOOR

3 mm Glass		NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
1" Clear	2.33	0.43	0.54	0.56
1" HP	3.45	0.29	0.22	0.44
1" HP <sup>SC</sup>	3.45	0.29	0.19	0.38
1" HP <sub>MAX</sub>	4.55	0.22	0.20	0.31
WITH WARM EDGE+				
1" HP	3.57	0.28	0.22	0.44
1" HP <sup>SC</sup>	3.57	0.28	0.19	0.38

## SERIES 960 OUTSWING HINGED PATIO DOOR

3 mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
7/8" Clear	2.22	0.45	0.50	0.51
7/8" HP	3.13	0.32	0.23	0.43
7/8" HP <sup>SC</sup>	3.13	0.32	0.18	0.34
7/8" HP <sub>MAX</sub>	3.57	0.28	0.21	0.33
WITH WARM EDGE+				
7/8" HP	3.23	0.31	0.23	0.43
7/8" HP <sup>SC</sup>	3.23	0.31	0.18	0.34

## PREMIUM SERIES 700 AWNING

3 mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
1" Clear	2.27	0.44	0.51	0.53
1" HP	3.33	0.30	0.24	0.45
1" HP <sup>SC</sup>	3.33	0.30	0.18	0.35
1" HP <sub>MAX</sub>	4.35	0.23	0.21	0.35
WITH WARM EDGE+				
1" HP	3.57	0.28	0.24	0.45
1" HP <sup>SC</sup>	3.57	0.28	0.18	0.35

## PREMIUM SERIES 960 INSWING HINGED PATIO DOOR

3 mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
7/8" Clear	2.17	0.46	0.49	0.51
7/8" HP	3.03	0.33	0.23	0.43
7/8" HP <sup>SC</sup>	3.03	0.33	0.17	0.34
7/8" HP <sup>MAX</sup>	3.45	0.29	0.20	0.33
WITH WARM EDGE+				
7/8" HP	3.13	0.32	0.23	0.43
7/8" HP <sup>SC</sup>	3.13	0.32	0.17	0.34

## PREMIUM SERIES 700 CASEMENT

3 mm Glass		NFRC CERTIFIED		
		U Value	SHGC	VT
WITH WARM EDGE				
1" Clear	2.33	0.43	0.51	0.53
1" HP	3.33	0.30	0.24	0.45
1" HP <sup>SC</sup>	3.33	0.30	0.18	0.35
1" HP <sub>MAX</sub>	4.35	0.23	0.21	0.35
WITH WARM EDGE+				
1" HP	3.57	0.28	0.24	0.45
1" HP <sup>SC</sup>	3.57	0.28	0.18	0.35

All units rated in accordance with NFRC 100/200 standards by a NAMI Accredited lab. Performance values reflect the performance of units tested with the following configuration: no grilles with glass and IGU thickness specified in the chart.

R VALUE: Restrictive ambient air flow  
 U FACTOR: Rate of heat loss  
 SHGC: Solar Heat Gain Coefficient  
 VT: Visible Transmittance





# ICON GLOSSARY

Below is a glossary of our icons that you will see throughout the Ply Gem Windows brochures. These icons identify features and benefits for each window so you can easily understand what is available to you with each style.



## CUSTOM SIZING

Ply Gem windows and patio doors can be ordered in  $\frac{1}{8}$  inch increments to accommodate any application providing a perfect fit and minimizing installation time and special trimming requirements.



## TRADITIONAL SIZING

Ply Gem windows and patio doors can be ordered in industry standard sizes used for vinyl windows which is ideal for new construction projects or replacing standard size units quickly and easily.



## INTERFORCE II™

Our Premium windows feature Interforce II™ internal fiberglass reinforced meeting rails for unsurpassed strength and durability.



## DP CERTIFIED

Ply Gem Premium Series windows are tested to meet the air, water and structure requirements of AAMA/WDMA 101/I.S.2. Our products meet a Design Pressure (DP) rating of 35 (double hung) to as high as DP70 casement (gateway size of 24" x 60"). With advanced level engineering and top-notch innovation, you are assured of the most durable, high-performing windows available nationwide.



## R-CORE® INSULATION

The vinyl mainframes of Ply Gem Premium Series windows are filled with patented<sup>†</sup> R-Core® insulation (pre-expanded high-density solid-polyurethane), the same type used in many refrigerator/freezer doors. It prevents voids and settling and results in even distribution of the maximum insulating barrier. Premium Series windows with EP upgrades feature R-Core in both the frame and sash for the ultimate in thermal performance. <sup>†</sup>U.S. Patent Number: 4,516,356



## WARM EDGE TECHNOLOGY

Standard Warm Edge glass spacer system within Ply Gem Premium Series windows reduces thermal transfer around the glass perimeter by utilizing a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold. Warm Edge is one continuous piece creating a stronger, more energy-efficient insulated glass unit. Plus it flexes with glass expansion and contraction to ensure a strong seal for the life of the window.



## WARM EDGE+ TECHNOLOGY

Optional Warm Edge Plus Spacer System has all of the features of the Warm Edge Spacer, but utilizes a new, less conductive material which provides a lower U-Factor.



## NEW GENERATION VINYL

Wood or metal windows can stick when they swell or deteriorate from corrosion. New Generation Vinyl withstands harsh weather and wear-and-tear better. Ply Gem Premium Series windows are constructed with rugged, maintenance-free New Generation uPVC. Its low conductivity and high energy-efficiency properties are ideal for Ply Gem's advanced window construction. And because vinyl's base color is solid through-and-through, you'll never need to paint or stain these windows.



## PINCH FUSION WELDING

Ply Gem Premium Series windows are entirely fusion welded – sashes and mainframes – to create a solid, one-piece unit that maintains its strength over the years. Our state-of-the-art fusion process ensures frame and sash corners won't have the excess variance found with other welding techniques.



## SIL LOCK

Premium windows with SilLock are built with a sloped sill which forces water to drain to the exterior of the window, keeping your windows dry. This unique design also ensures a tight weatherstrip contact at the sill.





Windows Siding Stone Veneer Fence+Rail Designer Accents [plygem.com](http://plygem.com)



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For more information, call 866-979-4149.