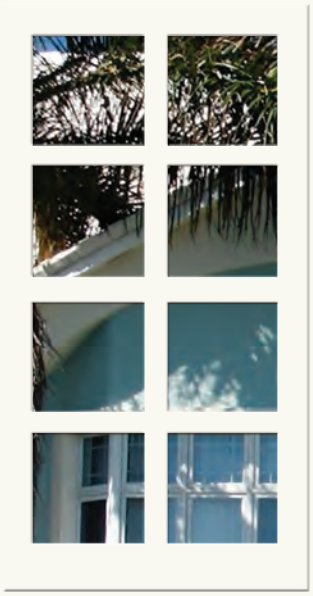
PLY GEM WINDOWS

# PRO SERIES

REPLACEMENT WINDOWS



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.**

PLY GEM WINDOWS

PRO SERIES

REPLACEMENT WINDOWS

## TABLE OF CONTENTS


Explanation of Glass Packages ..... 6

Pro Series Replacement Overview ..... 7

Warranty Information ..... 8

ENERGY STAR® and Custom Sizing Information ..... 9

200 Single Hung ..... 10

200 Sliding Window ..... 12

100 Single Hung ..... 14

100 Sliding Window ..... 16

700 Casement & Awning ..... 18

200 Single Hung Bay ..... 20

200 Single Hung Bow ..... 22

700 Casement Bay ..... 24

700 Casement Bow ..... 26

400 Garden Window ..... 28

800 Sliding Patio Door ..... 30

960 Sliding Patio Door ..... 32

970 French Sliding Patio Door ..... 34

980 French Sliding Patio Door ..... 36

Jalousie ..... 38

Skywall ..... 40

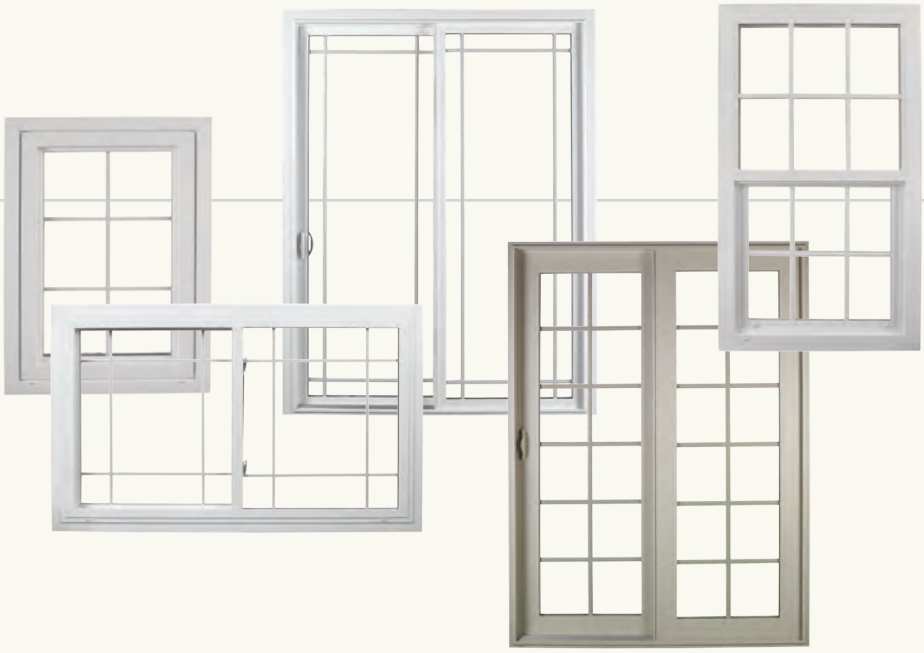
Architectural Shapes ..... 42

Grille, Color, Screen and Frame Options ..... 45

Low-E and Glass Options ..... 46

Icon Glossary ..... 47


©2012 Ply Gem Industries, Inc. RP2-SBW-0512-IH-CG-REV.B

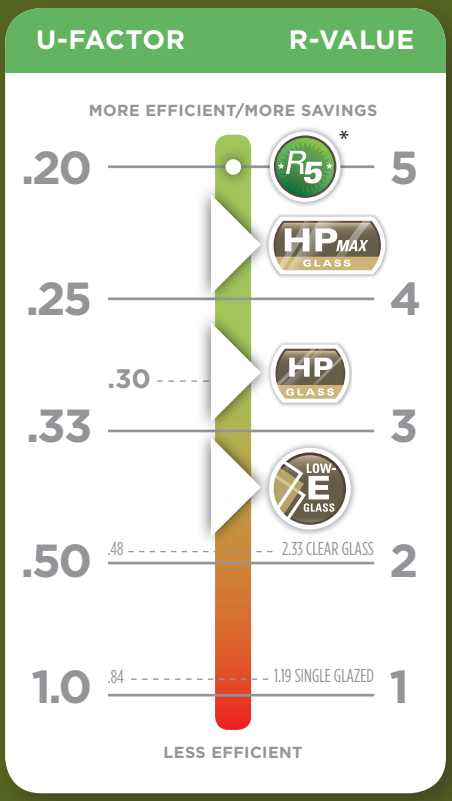


**Built to last. Made to impress.** You have a vision for how you want your replacement windows to look. Ply Gem Windows Pro Series can help you realize that vision. Every window is designed to fit your needs. You'll find the right sizes, the right designs and the right solutions to help make your window replacement project a success.

A WHOLE NEW POINT OF VIEW.

# EXPLANATION OF GLASS PACKAGES

## PERFORMANCE COMPARISON




The lower the U-Factor, the greater the insulation value. R-Value is the inverse (R=1/U) of the U-Factor. Total Unit Factors determined per NFRC-100 (National Fenestration Rating Council). Chart shows relationship between performance and Ply Gem Windows glass package options, not including energy package upgrade.

*Ply Gem Windows R-5 products meet or exceed a U-Factor of 0.20 on fixed units & 0.22 on operating units.

## LOW-E GLASS PACKAGES

Our Low-E glass packages combine Low-E and Warm Edge spacer options, providing insulating glass options to meet your specific needs. Our Low-E glass packages provide better performance in regions with hot summers and cold winters. Our Low-E$^{SC}$ (solar cooling) glass package is optimized for regions with significant indoor cooling and glare reduction requirements. Our Low-E glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

**Low-E** — One lite of Low-E
**Low-E$^{SC}$** — One lite of solar cooling Low-E
**Low-E2+**‡ — One lite of Low-E and one lite of Interior Surface Low-E
**Low-E2*MAX***‡ — Triple-pane with two lites of Low-E with an interior glass substrate
**Low-E3*MAX***‡ — Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E

‡ *These glass packages are combined with capillary tubes to address performance needs in high elevation applications.*

## HP GLASS PACKAGES

Our HP glass packages combine Low-E with argon gas fill and Warm Edge spacer options, providing high-performance insulating glass options to meet your specific needs. Argon is a safe, odorless, colorless gas, which is heavier, or denser, than air. When used in conjunction with Low-E glass, argon provides better insulation. That's because heat and cold do not pass through argon gas as easily as through air. Argon is nontoxic and presents no human health or environmental concerns. HP glass package is also available with a solar cooling ($^{SC}$) option for regions with significant indoor cooling and glare reduction requirements.

**HP** — One lite of Low-E and argon gas fill
**HP$^{SC}$** — One lite of solar cooling optimized Low-E and argon gas fill
**HP2+** — One lite of Low-E and one lite of Interior Surface Low-E with argon gas fill

## HP*MAX* GLASS PACKAGES (triple-pane)

Our HP*MAX* glass packages are triple-pane units that combine Low-E with two chambers of argon gas fill and Warm Edge spacer options, providing enhanced high-performance insulating glass options to meet your specific needs.

**HP2*MAX*** — Triple-pane with two lites of Low-E with an interior glass substrate and two chambers of argon gas fill
**HP3*MAX*** — Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E and two chambers of argon gas fill

## WHAT ARE R-5 WINDOWS?

High-performance R-5[1] windows are highly insulating windows with a whole-window R-Value of 5 (a U-Factor of around 0.2). Most of our Pro series products can be configured as R-5 units. These products are the top tier of energy efficient windows for cold and mixed climates.

ENERGY STAR® windows have a U-Factor of around 0.3. Reducing the U-Factor from 0.3 to 0.2, with high-performance R-5 windows, reduces average heat loss through the window by more than 30%,[2] and saves consumers like you money on energy bills.

[1] R-5 = U-Factor of .22 or lower for operating units; .20 for fixed units
[2] U.S. Department of Energy – Energy Efficiency and Renewable Energy EERE News, May 27, 2010

# PRO SERIES REPLACEMENT

Dual wall flush fin for enhanced strength and enduring beauty

## OVERALL FEATURES

1. Traditional and custom sizes
2. Vinyl won't conduct heat or cold, dramatically reducing frost and condensation
3. Pinch fusion-welded sash and mainframes for high strength and high energy efficiency
4. New Generation uiPVC vinyl never needs painting or caulking and resists conducting heat and cold
5. Limited Lifetime Warranty means your windows are protected under the warranty for as long as you own your home
6. Standard energy efficient HP Glass (Low-E glass combined with argon gas fill) provides high performance, while our optional HP$^{SC}$ (solar cooling) provides enhanced performance
7. Standard Warm Edge glass spacer system reduces thermal transfer around the glass perimeter by using a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold. Our optional Warm Edge+ spacer system upgrade enhances performance

Pro Series 200 corner cut shown with standard HP Glass and Warm Edge spacer system.

**A**

Pinch Fusion-welded strength

**B**

Warm Edge spacer system

1. Optional Warm Edge+ upgrade for enhanced performance.

## LIMITED LIFETIME WARRANTY

### One of Life's Few Guarantees.

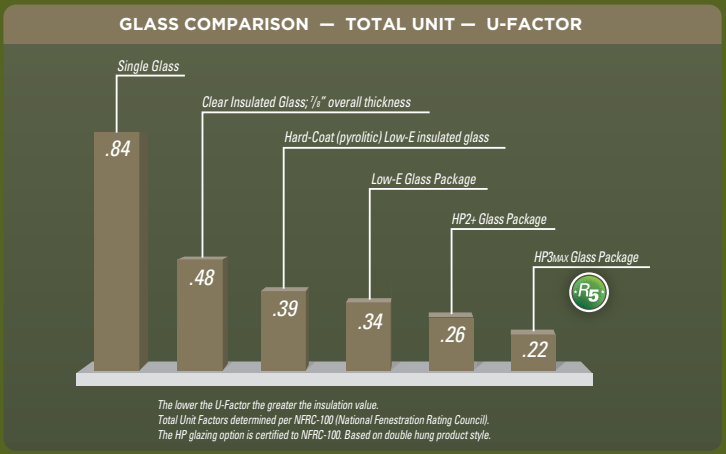
Life comes with few guarantees. Fortunately, Ply Gem Pro Windows offer you a permanent solution. Our custom vinyl windows offer more than construction quality, unmatched energy efficiency and low maintenance. They also offer a Limited Lifetime Warranty.

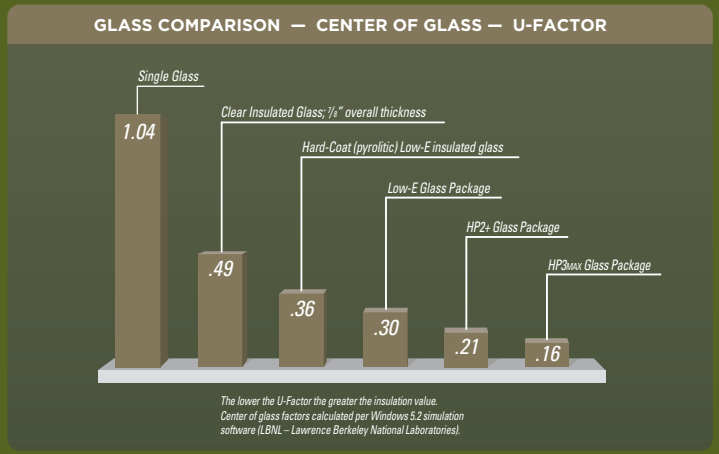
We believe so strongly in the durability of our windows that we back each window unit with our hassle-free Limited Lifetime Warranty. Lifetime means your windows are protected under the warranty for as long as you live in your home. And your warranty is transferable to the next homeowner, helping you 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?**

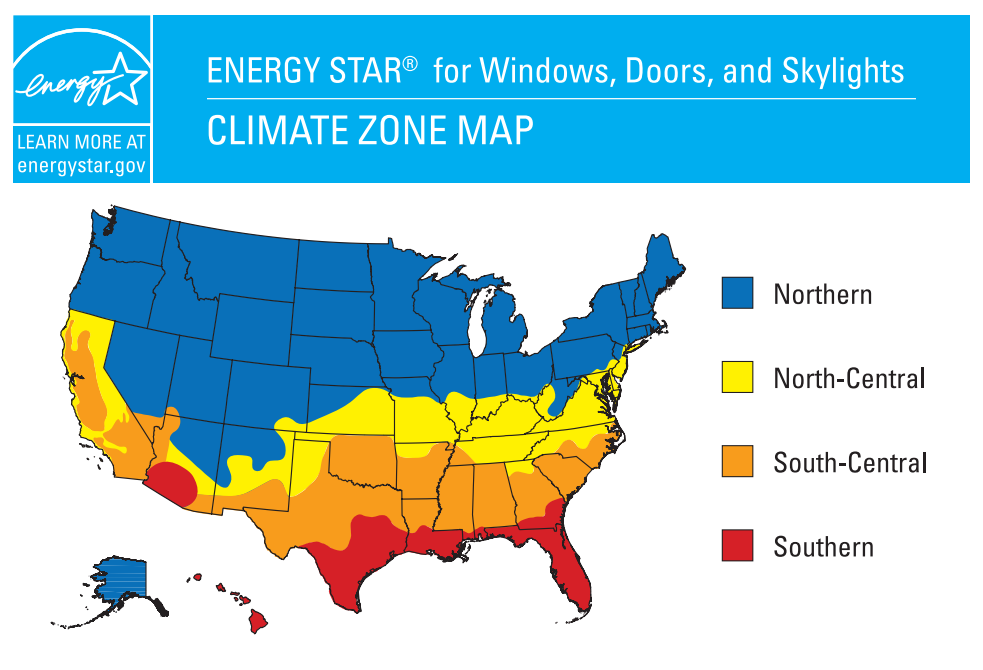
## CUSTOM SIZING

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




## ENERGY STAR®




Ply Gem Replacement Pro windows and patio doors with the HP glass system have earned the ENERGY STAR label in all states. Your investment in ENERGY STAR products will pay for itself over time in reduced energy bills, as well as increase the comfort level inside your home.

WE SELL ENERGY STAR

NFRC National Fenestration Rating Council®

NAHB RESEARCH CENTER GREEN APPROVED

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

This means you can be assured that Ply Gem Pro Series windows comply with specific green practice criteria in the National Green Building Standard™. Visit www.GreenApprovedProducts.com for more details.

## 200 SINGLE HUNG

**200 SINGLE HUNG WINDOWS.** The charm and character of yesteryear meets the energy efficiency and dependability of today in these classic yet technologically advanced windows. Maintenance free, energy efficient and rock-solid strong, our popular single hung windows will enhance your home's ambiance and increase its value.

# 200 SINGLE HUNG

## FEATURES

1. Dual wall flush fin for enhanced strength and enduring beauty; also available in single wall flush fin and no fin
2. Low-point, high-pressure weep system helps rain water drain efficiently from the frame
3. Removable side-loaded bottom sash
4. Continuous weatherstripping and dual cam-action sash lock provides security while sealing out the weather and sealing in your comfort
5. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. Corrosion-resistant stainless-steel screws and hardware for lifelong durability
7. Aluminum-reinforced meeting rail for added strength and durability
8. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
9. 3 7/16" frame depth with heavy vinyl walls for strength and stability
10. Rated for light commercial application

200 single hung windows are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal. Upgrade to our AUTOLOCK—positive action lock—and be sure your windows are securely locked just by closing them.

**A**

Cam action sash lock (standard)

**B**

Optional AUTOLOCK, locks automatically when unit is closed

**C**

Sash stop

1. Most units are rated DP40 standard. 2. Low-E with argon.

## 200 SLIDING WINDOW

**200 SLIDING WINDOWS.** Open yourself up to the world of possibilities with our delightfully durable and attractive sliding windows. You'll be spoiled with the maintenance-free construction, fingertip operation, energy efficiency and security that only our replacement windows can deliver.

# 200 SLIDING WINDOW

## FEATURES

1. Dual wall flush fin for enhanced strength and enduring beauty; also available in single wall flush fin and no fin
2. Low-point, high-pressure weep system helps water drain efficiently from frame
3. Wide brass adjustable rollers for smooth operation
4. Limited sash stop and removable sash
5. Continuous weatherstripping and dual cam-action sash lock provides security while sealing out the weather and sealing in your comfort
6. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
7. Corrosion-resistant stainless-steel screws and hardware for lifelong durability
8. Aluminum-reinforced meeting rail for added strength and durability
9. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
10. 3 7/16" frame depth with heavy vinyl walls for strength and stability
11. Rated for light commercial application

200 sliding windows are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal. Upgrade to our AUTOLOCK—positive action lock—and be sure your windows are securely locked just by closing them.

**A**

Cam action sash lock (standard)

**B**

Optional AUTOLOCK, locks automatically when unit is closed

**C**

Sash stop

1. Most units rated DP25 standard. 2. Low-E with argon.

## 100 SINGLE HUNG

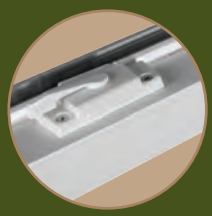
**100 SINGLE HUNG WINDOWS** are the perfect choice for homeowners who want to wed classic styling with today's most advanced window technology. These replacement windows look so authentic you'd swear they were original to your home, until you discover how easily they open, how well they insulate and how tough they are under any conditions.

# 100 SINGLE HUNG

## FEATURES

1. Single wall flush fin for specialty applications and enduring beauty; also available in no fin and brickmould frame options
2. Equal sight line sash for traditional wood window appearance
3. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
4. Spring loaded flush-mounted tilt-latches on bottom sash allows sash to tilt-in for easy cleaning from inside the home
5. Continuous weatherstripping and dual action sash lock provides security while sealing out the weather and sealing in your comfort
6. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading
7. Stainless steel balance system applies a constant force so sash lifts and lowers easily and never needs adjustment
8. 3 ¼" frame depth with heavy vinyl walls for strength and stability
9. Rated for light commercial application

100 single hung windows can be configured with sloped sill adapters and various grilles-between-the-glass (GBG) styles and patterns to enhance your home's curb appeal.



A Cam action sash lock

B Optional AUTOLOCK, locks automatically when unit is closed

C Sash tilt latch

1. Most units rated DP25 standard. 2. Low-E with argon.

## 100 SLIDING WINDOW

**100 SLIDING WINDOWS.** Catch the breeze, enjoy the view and bask in the sunshine. Our innovative replacement sliding windows will let you do it all. You'll enjoy features like easy-glide operation and limited sash stops, which allow you to effortlessly open the window. Plus, the sleek styling looks fabulous with any décor.

# 100 SLIDING WINDOW

## FEATURES

1. Single wall flush fin for specialty applications and enduring beauty; also available in no fin and brickmould frame options
2. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
3. Specially designed rollers and improved pull rails allow easy, fingertip operation
4. Secondary sash stop opens to a fixed point for ventilation
5. Continuous weatherstripping and dual action sash lock provides security while sealing out the weather and sealing in your comfort
6. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading
7. Operable sash lifts out for easy glass cleaning from the inside
8. Closed and locked sashes cannot be removed from exterior for added security
9. 3 ¼" frame depth with heavy vinyl walls for strength and stability
10. Equal sight lines for an unobstructed view of the beautiful outdoors

100 sliding windows can be configured with optional grilles-between-the-glass (GBG) in a variety of styles and patterns to enhance your home's curb appeal.

**A**

Cam action sash lock

**B**

Optional AUTOLOCK, locks automatically when unit is closed

**C**

Sash stop

1. Most units rated DP30 standard. 2. Low-E with argon.

## 700 CASEMENT & AWNING

**700 CASEMENT & AWNING WINDOWS** allow you to flood your home with luxurious light and open your windows wide to enjoy the day. The sleek fold-down nesting hardware does't interfere with window treatments, and the energy efficient insulation and heavy-duty construction will make these maintenance-free windows a welcomed addition to your home.

# 700 CASEMENT & AWNING

## FEATURES

1. Dual wall flush fin for enhanced strength and enduring beauty; also available in no fin and brickmould frame options
2. Sleek fold-down and nesting hardware 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 reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
5. Multi-point lock with stainless steel hardware and fasteners for durability and added security
6. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
7. 3 7/16" frame depth with heavy vinyl walls for strength and stability
8. Rated for light commercial application

700 casements & awnings are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal.

**A**

Sleek fold-down and nesting hardware

**B**

Multi-point sash lock

1. Most units rated DP40 standard. 2. Low-E with argon.

# 200 SINGLE HUNG BAY WINDOWS

**200 SINGLE HUNG BAY WINDOWS.**
Custom-made with every detail in mind, our bay windows provide a touch of class to enhance your home's curb appeal. Bays available in 3- or 4-window, 35° and 45° configurations.

# 200 SINGLE HUNG BAY WINDOWS

## FEATURES

1. Frame types include no fin, or nail fin with 1 3/8" setback with optional head and seat with jamb extensions[1]
2. Low-point, high-pressure weep system helps rain water drain efficiently from the frame
3. Removable side loaded bottom sash
4. Continuous weatherstripping and dual cam-action sash lock provides security while sealing out the weather and sealing in your comfort
5. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. Corrosion-resistant stainless-steel screws and hardware for lifelong durability
7. Aluminum-reinforced meeting rail for added strength and durability
8. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
9. 3 7/16" frame depth with heavy vinyl walls for strength and stability

Pinch fusion-welded strength

### External Knee Braces

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

1. 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. 2. Low-E with argon.

# 200 SINGLE HUNG BOW WINDOWS

**200 SINGLE HUNG BOW WINDOWS.**
Custom made with every detail in mind, our bow windows provide an elegance to any room that is sure to enhance your home's curb appeal too. Bows available in 3-, 4- or 5-window configurations.

# 200 SINGLE HUNG BOW WINDOWS

## FEATURES

1. Frame types include no fin, or nail fin with $1\frac{3}{8}$" setback with optional head and seat with jamb extensions[1]
2. Low-point, high-pressure weep system helps rain water drain efficiently from the frame
3. Removable side loaded bottom sash
4. Continuous weatherstripping and dual cam-action sash lock provides security while sealing out the weather and sealing in your comfort
5. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. Corrosion-resistant stainless-steel screws and hardware for lifelong durability
7. Aluminum-reinforced meeting rail for added strength and durability
8. Maintenance-free multi-chamber PVC construction with fusion-welded corners for durability, weather-tight performance and beauty
9. $3\frac{7}{16}$" frame depth with heavy vinyl walls for strength and stability

Pinch fusion-welded strength

### External Knee Braces

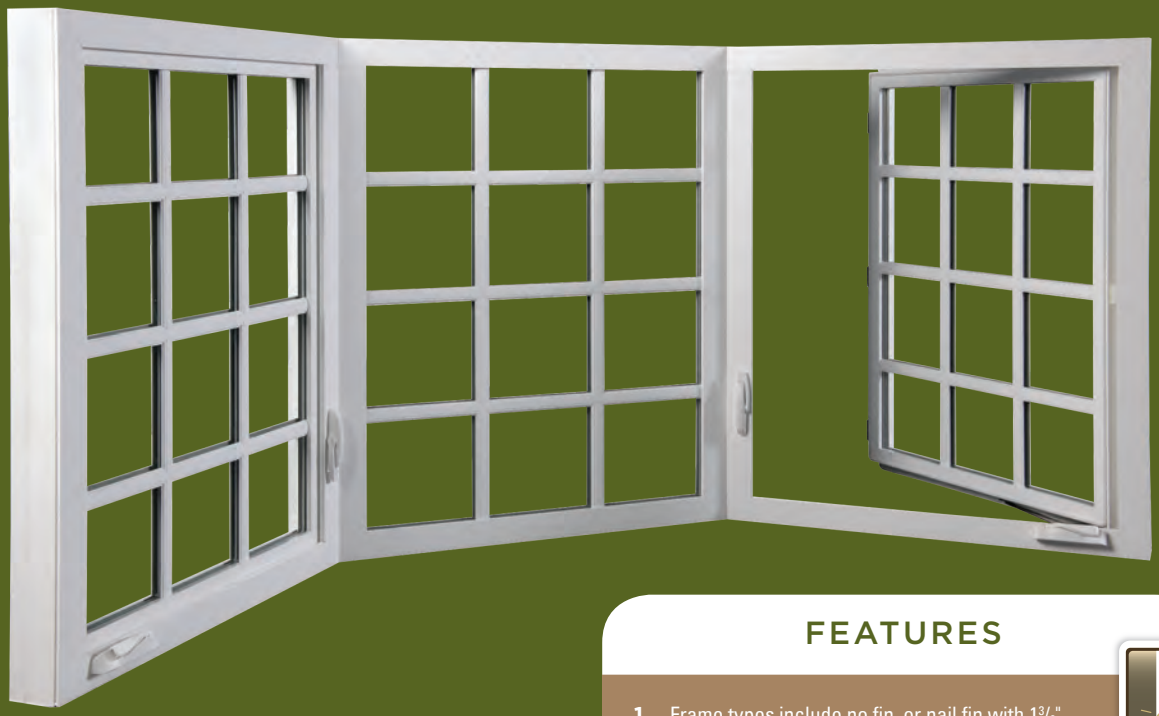
1. Provides exterior support for bow windows[1]
2. Available in white and beige
3. Pre-finished to be maintenance free

1. Additional knee braces and cable system are required for bow window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bow window will void the warranty. 2. Low-E with argon.

# 700 CASEMENT BAY WINDOWS

**700 BAY WINDOWS.** Custom-made with every detail in mind, our bay windows provide a touch of class to enhance your home's curb appeal. Bays available in 3- or 4-window, 35° and 45° configurations.

# 700 CASEMENT BAY WINDOWS



## FEATURES

1. Frame types include no fin, or nail fin with 1 3/8" setback with optional head and seat with jamb extensions[1]
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 reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
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 7/16" frame depth with heavy vinyl walls for strength and stability
8. Rated for light commercial application

Pinch fusion-welded strength

### External Knee Braces

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

1. 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. 2. Low-E with argon.

# 700 CASEMENT BOW WINDOWS

**700 CASEMENT BOW WINDOWS.** Custom-made with every detail in mind, our bow windows provide an elegance to any room that is sure to enhance your home's curb appeal too. Bows available in 3-, 4- or 5-window configurations.

# 700 CASEMENT BOW WINDOWS

## FEATURES

1. Frame types include no fin, or nail fin with 1 3/8" setback with optional head and seat with jamb extensions[1]
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 reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
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 7/16" frame depth with heavy vinyl walls for strength and stability

Pinch fusion-welded strength

### External Knee Braces

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

1. Additional knee braces and cable system are required for bow window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bow window will void the warranty. 2. Low-E with argon.

## 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.

# 400 GARDEN WINDOW

## FEATURES

1. No fin or flange-style nail fin with unfinished seatboard[2]
2. New Generation uiPVC 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 insulating glass unit
8. Energy efficient Warm Edge insulating HP glass reduces energy cost and reduces fabric fading; Optional Warm Edge+ spacer system for enhanced performance

400 garden windows are available with optional grilles-between-the-glass (GBG) to enhance your home's curb appeal.

Pinch fusion-welded strength

### External Knee Braces

1. Provides exterior support for garden windows[2]
2. Available in white and beige
3. Pre-finished to be maintenance free

1. Most units are rated DP40 standard. 2. Additional knee braces and cable system are required for garden window installation when head and seatboard with extension jamb options is selected. Failure to properly support a garden window will void the warranty. 3. Low-E with argon.

## 800 SLIDING PATIO DOOR

**800 SLIDING PATIO DOORS.** You'll be amazed by how many options you have to customize the look of this beautiful, durable and easy-to-use replacement door. Pick from 2-, 3- or 4-panel configurations. Opt for French or standard rails, and select unique transoms and sidelites for an interior that reflects your personal style.

# 800 SLIDING PATIO DOOR

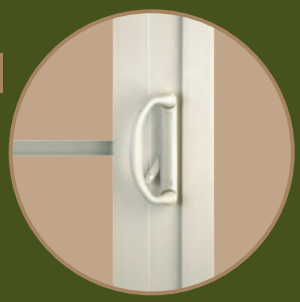
## FEATURES

1. No fin for easy replacement application; frame options include 1" or 1 3/8" nail fin setback with stucco key; Insulair passive fresh air ventilation system
2. Maintenance-free multi-chamber New Generation uiPVC vinyl construction with fusion-welded corners for durability, weather-tight performance and beauty
3. Smooth gliding rollers ensure effortless operation
4. Energy efficient Warm Edge insulating tempered HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
5. 4 ¾" frame depth with heavy vinyl walls for strength and stability
6. Low-point, high-pressure weep system pulls water out of the frame

800 sliding patio doors are available with optional grilles-between-the-glass (GBG) to enhance your home's curb appeal.

A

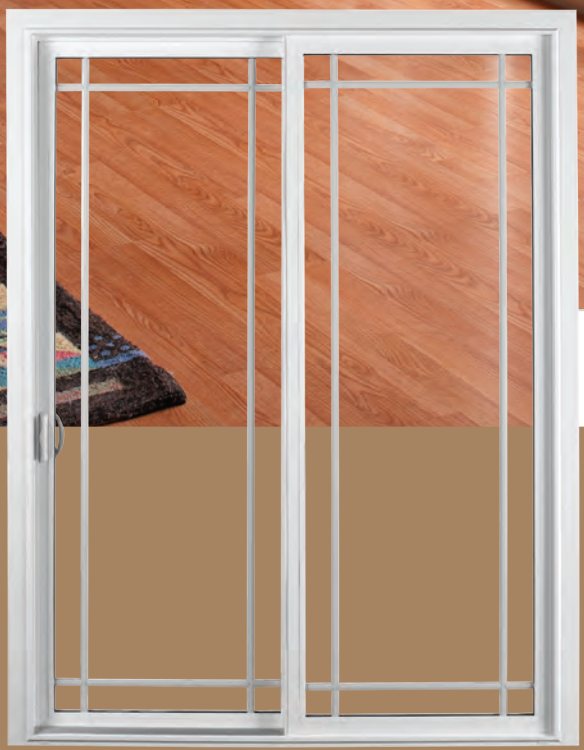
Standard color-coordinated exterior handle



B

Standard color-coordinated interior handle

1. Most units are rated DP40 standard. 2. Low-E with argon.



## 960 SLIDING PATIO DOOR

**960 SLIDING PATIO DOORS.** From the stainless steel rollers to the anodized aluminum threshold cover, we thought of everything when designing this energy efficient replacement door that's as attractive as it is effective. This versatile door offers the aesthetics and options of our other sliding doors, plus added features for enhanced strength and enduring beauty.

# 960 SLIDING PATIO DOOR

## FEATURES

1. Dual wall flush fin for enhanced strength and enduring beauty; frame options include no fin, 1 3/8" nail fin setback with stucco key or J-channel
2. Maintenance-free multi-chamber New Generation uiPVC vinyl construction with fusion-welded corners for durability, weather-tight performance and beauty
3. Smooth gliding stainless steel rollers provide long lasting durability
4. Two-point lock with adjustable strikes is standard on 2-panel and 3-panel doors and four-point lock is standard on 4-panel doors
5. Energy efficient Warm Edge insulating tempered HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. Shoot-bolt in 4-panel doors for added security
7. 4 3/8" frame depth with heavy vinyl walls for strength and stability
8. Anodized aluminum threshold cover

960 sliding patio doors are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal.

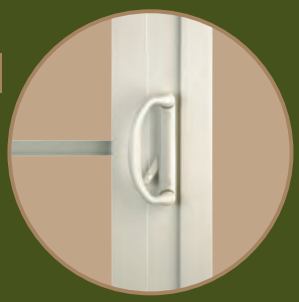
## Interior Handle Finish Upgrades

ANTIQUE BRASS | SATIN NICKEL | OIL-RUBBED BRONZE

A

Standard color-coordinated exterior handle

B



Standard color-coordinated interior handle

1. Most units are rated DP40 standard. 2. Low-E with argon.

# 970 FRENCH SLIDING PATIO DOOR

**970 FRENCH SLIDING PATIO DOORS** mix style and security to give you the classic look and unbeatable performance you demand from a replacement door. We've devoted ourselves to crafting fine details that will add to the beauty of your home, like the wide stiles and rails that give this traditional door an authentic French feel.

# 970 FRENCH SLIDING PATIO DOOR

## FEATURES

1. Dual wall flush fin for enhanced strength and enduring beauty (shown with no fin) ; frame options include no fin, 1 3/8" nail fin setback with stucco key or J-channel
2. Maintenance-free multi-chamber New Generation uiPVC vinyl construction with fusion-welded corners for durability, weather-tight performance and beauty
3. Smooth gliding stainless steel rollers provide long lasting durability
4. Two-point lock with adjustable strikes is standard on 2-panel and 3-panel doors and four-point lock is standard on 4-panel doors
5. Energy efficient Warm Edge insulating tempered HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. Shoot-bolt in 4-panel doors for added security
7. 4 3/8" frame depth with heavy vinyl walls for strength and stability
8. Anodized aluminum threshold cover
9. Wide stiles and rails for an authentic French look

970 French sliding patio doors are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal.

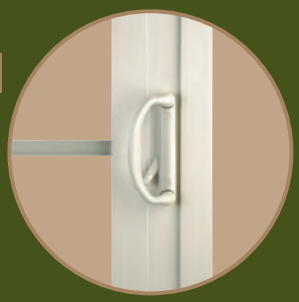
## Interior Handle Finish Upgrades

ANTIQUE BRASS | SATIN NICKEL | OIL-RUBBED BRONZE

A

Standard color-coordinated exterior handle

B



Standard color-coordinated interior handle

1. Most units are rated DP25 standard. 2. Low-E with argon.

# 980 FRENCH SLIDING PATIO DOOR

**980 FRENCH SLIDING PATIO DOORS.** Since every renovation project is different, we've modified our popular door with a single-wall flush fin for projects that require special applications. But the features that make our sliding French doors stand out, like smooth gliding stainless steel rollers and energy efficient glass, remain the same.

# 980 FRENCH SLIDING PATIO DOOR

## FEATURES

1. Single-wall flush fin for special applications and enduring beauty; frame options include no fin or 1" nail fin setback
2. Maintenance-free multi-chamber New Generation uiPVC vinyl construction with fusion-welded corners for durability, weather-tight performance and beauty
3. Smooth gliding stainless steel rollers provide long lasting durability
4. Two-point lock with adjustable strikes is standard on 2-panel and 3-panel doors and four-point lock is standard on 4-panel doors
5. Energy efficient Warm Edge insulating tempered HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance
6. 4 3/8" frame depth with heavy vinyl walls for strength and stability
7. Wide stiles and rails for an authentic French look

980 French sliding patio doors are available with optional grilles-between-the-glass (GBG) to enhance your home's curb appeal.

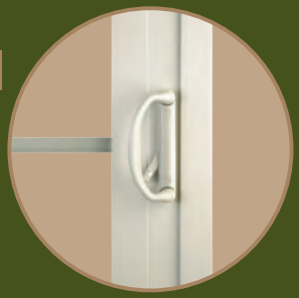
### Interior Handle Finish Upgrades

ANTIQUE BRASS | SATIN NICKEL | OIL-RUBBED BRONZE

A

Standard color-coordinated exterior handle

B



Standard color-coordinated interior handle

1. Most units are rated DP20 standard. 2. Low-E with argon.

## JALOUSIE WINDOWS

**JALOUSIE WINDOWS.** Ideal for areas you desire abundant ventilation and sunlight. Angled blades allow soft breezes to wash over you, bringing in the beauty from the world around you.

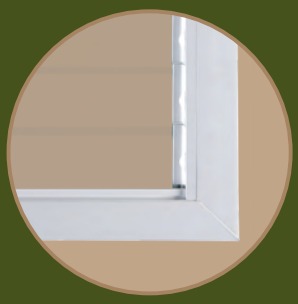
## FEATURES

1. Frame types include no fin, single-wall flush fin, stucco key, J-Channel or nail fin with 1 3/8" setback
2. New Generation uiPVC vinyl never needs painting or caulking and resists conducting heat and cold
3. Fusion-welded frames and sash for extra strength and dependable performance
4. Available in white or beige color options
5. Color-coordinated louver hardware and handles on left side of the unit when approached from the interior
6. Blades are available in a variety of glass options and redwood
7. 3 7/16" frame depth with heavy vinyl walls for strength and stability

PINCH FUSION WELDING

NEW GENERATION VINYL

A



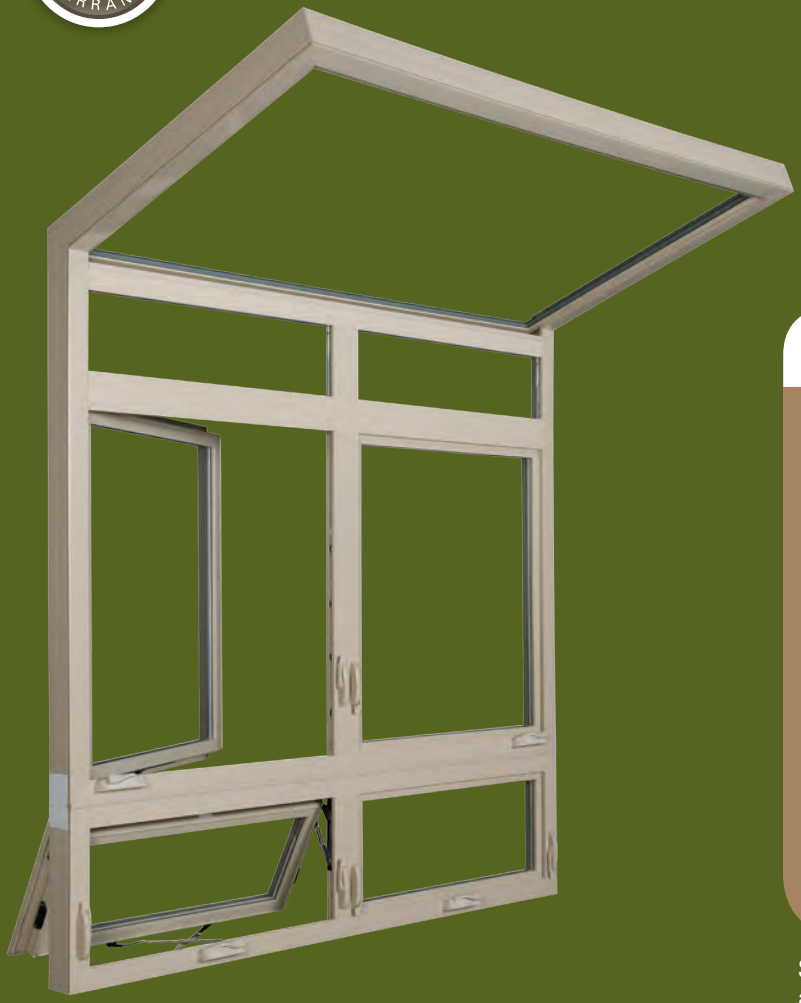
Pinch fusion-welded corners for strength

B

Color-coordinated louver hardware and handles

## SKYWALL

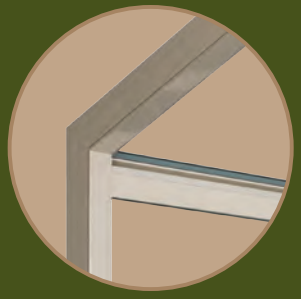
**SKYWALLS** provide maximum light and keep you in touch with the outdoors while protecting you from the weather. They can be configured with casement, awning and/or fixed combinations.



## FEATURES

1. Frame types include no fin, single-wall flush fin, stucco key, J-Channel or nail fin with $1\frac{3}{8}$" setback
2. New Generation uiPVC vinyl never needs painting or caulking and resists conducting heat and cold
3. Fusion-welded frames and sash for extra strength and dependable performance
4. Available in white or beige color options
5. Color-coordinated hardware
6. $3\frac{7}{16}$" frame depth with heavy vinyl walls for strength and stability
7. Energy efficient Warm Edge insulating tempered HP glass reduces energy cost and reduces fabric fading; optional Warm Edge+ spacer system for enhanced performance

Skywalls can be configured with casement, awning and/or fixed panels and are available with optional grilles-between-the-glass (GBG) and simulated-divided-lite (SDL) grilles to enhance your home's curb appeal.

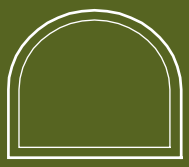


Pinch fusion-welded strength

1. Low-E with argon.

# ARCHITECTURAL SHAPES

Half Round

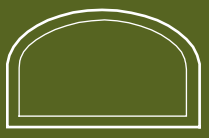

Extended Half Round

Full Round

Quarter Round

Extended Quarter Round

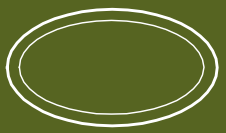
Eyebrow


Extended Eyebrow

Quarter Eyebrow

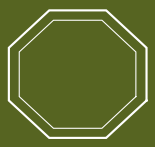
Extended Quarter Eyebrow

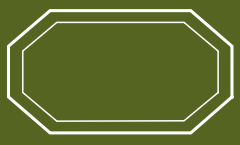
Ellipse

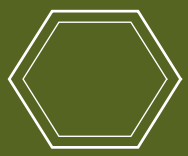

Full Oval

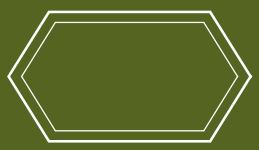
Gothic Eyebrow

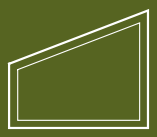
Extended Gothic

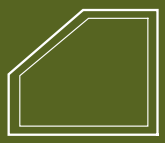

Octagon


Extended Octagon


Hexagon

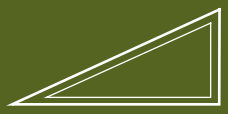

Extended Hexagon


Trapezoid Left or Right


Clipped Trapezoid

Pentagon

Pentagon Equilateral


Right Angle Triangle

Isosceles Triangle

Availability of specific shapes limited by size of unit and frame type. For your specific application, consult with your Ply Gem Windows sales representative.

# CUSTOMIZE YOUR VIEW

From the road and from within your home, windows tell a story. Every choice adds distinction–from the solid colors that surround each window to the grille styles and patterns. Ultimately, the story of your home comes through in your vision and personality, and a reflection of the windows you choose.

Share your Pro Series Windows with the world today!

# GRILLE OPTIONS

**GBG = Grilles-Between-the-Glass**
**SDL = Simulated-Divided-Lites**

5/8" Flat GBG

5/8" Sculptured GBG

1" Sculptured GBG

7/8" SDL*

1 1/4" SDL*

* SDL is **only** available on 200 single hungs, 200 sliding windows, 700 casement & awning windows and 970 sliding patio doors.

# FRAME OPTIONS

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

Consult a Ply Gem Windows representative for specific frame options for specific products in this brochure.

# COLOR OPTIONS

**WHITE**

**BEIGE**

Colors are reproduced as accurately as printer technology allows. Please see your authorized Ply Gem Windows representative for actual samples.

# SCREEN OPTIONS

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

# WHAT IS LOW-E?

Low-E glass has a secondary, very thin metallic dual layer coating. This allows the sun's heat and light to pass through the insulating glass, but, at the same time, works to reflect interior radiant heat back toward its source. Since Low-E coating reflects radiant heat waves, it helps keep your home warmer in the winter by trapping radiant heat and cooler in the summer by blocking it from your home. Low-E$^{SC}$ is optimized for warmer climates by applying two heavier layers, through a patented process, resulting in blocking 73% of the sun's radiant heat from entering your home while providing superior insulation in cooler weather to save you energy year-round.

Our *Interior Surface Low-E* is engineered to have the characteristic window manufacturers and homeowners need most — lower U-Factor— and is applied to the surface of the glass you can touch inside your home, providing increased comfort and improved energy savings. One major benefit is a decrease in U-Factor of approximately 0.04, improving the energy efficiency so that many of our doors and windows meet new energy codes and ENERGY STAR® zone requirements. The neutral color with low haze and ultra-smooth surface of our Interior Surface Low-E provides a clearer view of the outdoors and can be cleaned with common household glass cleaners. No special instructions. Our Interior Surface Low-E is durable and scratch-resistant.

**NATURAL LIGHT WITHOUT THE GLARE.**
Ply Gem's Low-E glass has many advantages, such as minimal visible darkening. Our glass minimizes interior glare, reducing eyestrain and making it easier to watch television or look at a computer screen when bright sunlight fills a room.

# GLASS OPTIONS

- Low-E
- Low-E$^{SC}$
- Low-E2*MAX**
- Low-E3*MAX**
- HP
- HP$^{SC}$
- HP2+
- HP2*MAX**
- HP3*MAX**
- Clear
- Tinted[1]
- Obscure[2]
- Glue Chip Obscure[2]
- Tempered[3]
- Laminated (security)
- Sound Package (off-set glass)

* See page 6 for explanation of glass packages. Low-E2*MAX*, Low-E3*MAX*, HP2*MAX* and HP3*MAX* are not available on all products. See product pages for details. Contact your Ply Gem sales representative for a full list of Pro Series glass thickness options and ratings.

1. Consult your Ply Gem representative for a complete list of tinted glass types
2. Consult your Ply Gem representative for a complete list of obscure glass types. For limitations on triple pane obscure substitutions, see price book for details
3. Tempered glass standard on patio doors and skywall ceilings

# ICON GLOSSARY

Below is a glossary of our icons that you will see throughout the Ply Gem Windows Replacement 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 $^{1}/_{8}$" increments to accommodate any replacement 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.

### DP CERTIFIED

Ply Gem windows are tested to meet the air, water and structure requirements of AAMA/WDMA 101/I.S.2. With advanced level engineering and top-notch innovation, you are assured of the most durable, high-performing windows available nationwide.

### HP GLASS

HP glass packages combine Low-E with argon gas fill and Warm Edge spacer options, providing high-performance insulating glass options to meet your specific needs. HP glass package is also available with a solar cooling ($^{SC}$) option for regions with significant indoor cooling and glare reduction requirements.

### HP$_{MAX}$ GLASS

HP$_{MAX}$ glass packages are triple-pane units that combine Low-E with two chambers of argon gas fill and Warm Edge spacer options, providing enhanced high-performance insulating glass options to meet your specific needs.

### WARM EDGE TECHNOLOGY

Standard Warm Edge glass spacer system within Ply Gem Pro Series Replacement 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 Pro Series Replacement windows are constructed with rugged, maintenance-free New Generation uiPVC. 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 Pro Series Replacement 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.

# PRO SERIES REPLACEMENT

**PRO SERIES REPLACEMENT** windows are available in single hung, sliding windows, picture, casement & awning, bay & bow, geometric, jalousie, skywall, garden window and French and standard sliding patio doors. Pro Series offers a number of grille options and is available in two different colors to match your décor.

Ply Gem, the Ply Gem logo, the "Building Products. Building Success." slogan, Ply Gem Windows and the Ply Gem Windows logo are trademarks of Ply Gem Industries, Inc. ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency. ©2012 Ply Gem Industries, Inc.

For more information, call 888-9PLYGEM.

SKU# 3751107771147