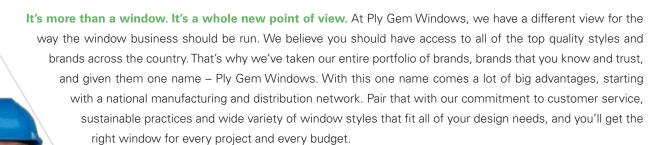




800 SERIES



A WHOLE NEW POINT OF VIEW.



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.







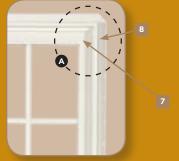
Uncompromising quality. Superior value. There's one clear choice when it comes to finding the quality and value you want in windows – Ply Gem Windows Pro Series. Our distinct product offerings provide you with the selection and craftsmanship you need to bring your next project to life. Our windows are designed to meet every need and every budget. Plus, with our service and support you'll be able to get the job done right the first time, every time.





800 DOUBLE HUNG







Note: Standard performance shown

FEATURES

- 1 Extruded pre-punched nailing fin with corner gasket for simple installation
- 2 Cam lock provides security and enhanced performance
- 3 4 9/16" jambs eliminate extensive drywall work
- **4** Both sash tilt in and remove for safe and easy cleaning of exterior glass
- 5 Profiled glazing bead in natural clear wood or cellular PVC for prefinished white to accentuate interior trim











- 11 Select clear wood interior ready for paint or stain to match any décor, also available in pre-finished white
- **12** Recessed full-width finger pulls in top and bottom sash for easy operation









Get more beauty for your buck with our 800 double hung units. They come standard with a convenient Easy-Tilt sash system that makes cleaning and maintaining simple. The interior glazed sash design creates shadow lines to help enhance the look and give more curb appeal. Plus, they're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles. Each option delivers a traditional look that increases the beauty and enhances the value of your home. Available in white and sandalwood exterior cladding options.



Rigid form-fitting vinyl cladding on sash and frame, fully welded at top two corners of frame for maximum protection against the elements



Cam lock provides security and enhanced performance



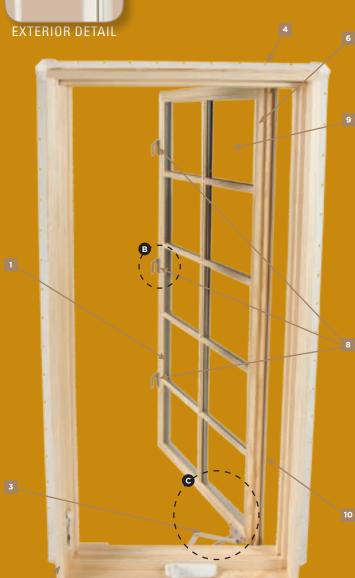
Convenient Easy-Tilt one touch tilt latch for easy tilt-in



800 CASEMENT & AWNING







FEATURES

- Profiled glazing bead in natural clear wood or cellular PVC for prefinished white to accentuate interior trim
- 2 4 9/16" jambs made of clear wood eliminate extensive drywall work
- 3 Smooth-functioning operating hardware, concealed for a clean appearance and allowing sash to open a full 90°
- 4 Extruded pre-punched nailing fin for simple and accurate installation
- 5 Rigid form-fitting vinyl cladding on sash and frame, fully welded at all four corners for maximum protection against the elements
- 6 Sash and interior made with select clear wood ready for paint or stain to match any interior décor, also available in pre-finished white
- 7 Integral face groove allows for easy mulling
- 8 Concealed multi-point locking system enhances weather performance and security
- 9 Energy-efficient Warm Edge insulating glass, standard; optional upgrades include: Warm Edge+, Low-E, HP or HP2+ glass package options (see pages 18 & 19 for specific glass package options and descriptions)
- 10 Leaf weatherstripping on sash and bulb weatherstripping on frame for air-tight performance and smooth operation











Bring the beauty and value home with our 800 casement & awning windows. They feature an interior glazed sash to enhance your home's appearance and a weather-resistant stainless steel hinge track and adjustable hinge to ensure superior performance. They're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles to help you find a look that matches your home's style. The sash opens a full 90° for simple cleaning. Available in white and sandalwood exterior cladding options.



Rigid form-fitting vinyl cladding on sash and frame, fully welded at all four corners for maximum protection against the elements



Concealed multipoint locking system enhances weather performance and security



Smooth-functioning operating hardware, concealed for a clean appearance and allowing sash to open beyond a full 90°



800 SLIDING PATIO DOOR









FEATURES

- 4 9/16" jambs eliminate extensive drywall work
- Composite sill combines wood, aluminum and vinyl for enhanced durability
- Adjustable rollers ensure smooth operation
- match any interior décor
- Pre-punched nailing fin with corner gasket for
- 6 Rigid form-fitting vinyl cladding on door the elements
- 7 Energy-efficient Warm Edge insulating tempered glass, standard; optional upgrades include Low-E or HP glass package (see pages 18 & 19 for specific glass package options and
- Choice of handle set in white, sandalwood or oil-rubbed bronze
- Full-perimeter weatherstripping for air-tight performance and smooth operation









Looking for more style and more value? Look no further than our 800 sliding doors. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. They're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles for a traditional look that fits your home and your style. Choose from a keyed, single point-lock exterior choose from white and sandalwood low-maintenance, clad exterior options. Standard sliding patio doors include a solid bright brass interior handle and a security foot bolt.



Adjustable rollers ensure smooth operation



Composite sill combines wood, aluminum and vinyl for enhanced



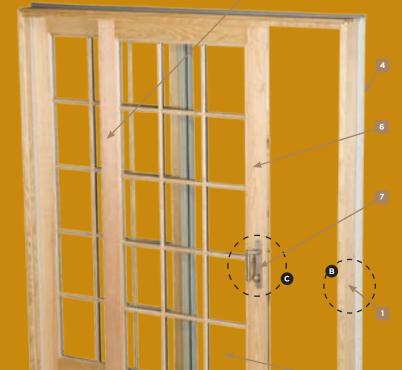
Handle sets available in white, sandalwood and oil-rubbed bronze



800 FRENCH SLIDING PATIO DOOR







FEATURES

- 1 4 9/16" jambs eliminate extensive drywall work
- 2 Energy-efficient Warm Edge insulating tempered glass, standard; optional upgrades include Low-E or HP glass package (see pages 18 & 19 for specific glass package options and descriptions)
- 3 Natural wood interior ready for paint or stain to match any interior décor
- 4 Pre-punched nailing fin with corner gasket for simple installation
- 5 Rigid form-fitting vinyl cladding on frame with pultruded fiberglass on door panels for maximum protection against the elements
- 6 1 3/4" panels with wide stiles and rails for a true French look
- 7 Multi-point hardware available in a variety of finishes: bright brass, antique brass, oil rubbed bronze or satin nickel interior and exterior handle sets (satin nickel shown)
- 8 Full-perimeter weatherstripping for air-tight performance and smooth operation
- 9 Adjustable rollers ensures smooth operation
- **10** Composite sill combines wood, aluminum and vinyl for enhanced durability

Make the most of your investment with our 800 French sliding patio doors. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. They're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles for a traditional look that fits your home and your style. Choose from handle sets available in solid bright brass, antique brass, oil rubbed bronze or satin nickel finish. Then, choose from white and sandalwood low-maintenance, clad exterior options. Standard sliding patio doors include exterior handles with a keyed multipoint lock. A security foot bolt is also available.











Adjustable rollers ensure smooth operation



4 ⁹/₁₆" jambs eliminate extensive drywall work

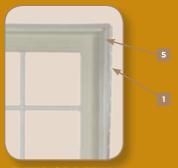


Solid bright brass, antique brass, oil rubbed bronze or satin nickel interior and exterior handle sets (satin nickel shown)



800 CENTER HINGED PATIO DOOR





EXTERIOR DETAIL



FEATURES

- 1 Pre-punched nailing fin with corner gasket for simple installation
- 2 Full-perimeter weatherstripping for air-tight performance and smooth operation
- 3 4 9/16" jambs eliminate extensive drywall work
- 4 Prepared for handle hardware with your choice of multi-point, deadbolt, or single bore; handle hardware available in a variety of finishes: bright brass, antique brass, oil rubbed bronze or satin nickel interior and exterior handle sets (satin nickel shown)
- 5 Rigid form-fitting vinyl cladding on frame with pultruded fiberglass on door panels for maximum protection against the elements
- 6 Natural wood interior ready for paint or stain to match any interior décor
- 7 Energy-efficient Warm Edge insulating tempered glass
- 8 Composite sill combines wood, aluminum and vinyl for enhanced durability
- 9 Adjustable hinge standard with multi-point









Discover a door that's centered around value and quality. Our 800 center hinged patio doors are constructed with full-perimeter weatherstripping for a tight and consistent seal. They're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles for a traditional look that fits your home and your style. Choose from multi-point handle sets available in solid bright brass, antique brass, oil rubbed bronze or satin nickel finish. Select from a variety of door configurations including no bore, dead bolt bore or multi-point bore. Pro 800 Center hinged patio doors may be upgraded with two way adjustable hinges for more accurate door adjustment and operation. Then, choose from white and sandalwood low-maintenance, clad exterior options.



Handle sets also come in solid bright brass, antique brass, or oil rubbed bronze with matching hinge and strike



Adjustable hinge standard with multi-point hardware

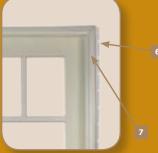


Composite sill, combines wood, aluminum and vinyl for enhanced durability



800 FRENCH HINGED PATIO DOOR



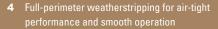


EXTERIOR DETAIL



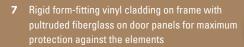
FEATURES

- 1 13/4" panels with wide stiles and rails for a true French look
- 2 Natural wood interior ready for paint or stain to match any interior décor
- 3 Energy-efficient Warm Edge insulating tempered glass, standard; optional upgrades include Low-E or HP glass package (see pages 18 & 19 for specific glass package options and descriptions)

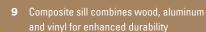




















Our 800 French hinged patio doors provide looks and value that lasts. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. They're available in a variety of grille options including simulated-divided-lite (SDL), grilles-between-the-glass or wood grilles for a traditional look that fits your home and your style. Choose from handle sets available in solid bright brass, antique brass, oil rubbed bronze or satin nickel finish. Then, choose from white and sandalwood low-maintenance, clad exterior options.



Full-perimeter weatherstripping for airtight performance and smooth operation



Composite sill combines wood, aluminum and vinyl for enhanced durability



Solid bright brass, antique brass, oil rubbed bronze or satin nickel interior and exterior handle sets with matching hinge and strike

THERMAL PERFORMANCE DATA

800 DOUBLE HUNG					
	NFRC CERTIFIED			IED	
	R Value	U Factor	SHGC	VT	
WITH WARM EDGE					
⁵/₃″ Clear	2.04	0.49	0.58	0.60	
5/8" Low-E	2.70	0.37	0.28	0.51	
5/8" Low-Esc	2.78	0.36	0.22	0.40	
⁵/ ₈ ″ Low-E2	3.13	0.32	0.27	0.50	
5/8" Low-E2sc	3.13	0.32	0.21	0.39	
⁵/8" HP Glass	3.13	0.32	0.27	0.51	
	3.13	0.32	0.21	0.40	
⁵/8" HP2+ Glass	3.45	0.29	0.27	0.50	
5/8" HP2+sc Glass	3.45	0.29	0.20	0.39	
WITH WARM EDGE+					
5/8" Low-E	2.86	0.35	0.28	0.51	
5/8" Low-Esc	2.94	0.34	0.22	0.40	
5/8" Low-E2	3.33	0.30	0.27	0.50	
5/8" Low-E2sc	3.33	0.30	0.21	0.39	
5/8" HP Glass	3.33	0.30	0.27	0.51	
5/8" HPsc Glass	3.33	0.30	0.21	0.40	
5/8" HP2+ Glass	3.70	0.27	0.27	0.50	
5/8" HP2+sc Glass	3.70	0.27	0.20	0.39	

800 CASEMENT					
		NFRC CERTIFIED			
	R Value	U Factor	SHGC	VT	
	WITH WA	RM EDGE			
³/₄″ Clear	2.22	0.45	0.54	0.56	
3/4" Low-E	3.03	0.33	0.26	0.48	
3/4" Low-Esc	3.03	0.33	0.20	0.37	
3/4" Low-E2	3.45	0.29	0.25	0.46	
3/4" Low-E2 ^{SC}	3.45	0.29	0.19	0.36	
³/4" HP Glass	3.33	0.30	0.26	0.48	
	3.33	0.30	0.20	0.37	
³/4" HP2+ Glass	3.70	0.27	0.25	0.46	
3/4" HP2+sc Glass	3.70	0.27	0.19	0.36	
	WITH WAR	RM EDGE+			
3/4" Low-E	3.23	0.31	0.26	0.48	
³/ ₄ " Low-E ^{sc}	3.23	0.31	0.20	0.37	
³/ ₄ " Low-E2	3.70	0.27	0.25	0.46	
3/4" Low-E2 ^{sc}	3.70	0.27	0.19	0.36	
³/4" HP Glass	3.57	0.28	0.26	0.48	
³/ ₄ " HP ^{sc} Glass	3.70	0.27	0.20	0.37	
³/4" HP2+ Glass	4.00	0.25	0.25	0.46	
³/ ₄ " HP2+ ^{sc} Glass	4.00	0.25	0.19	0.36	

All units are NAMI certified and rated in accordance with NFRC 100/200 standards by an AAMA accredited lab. Performance values reflect the performance of units tested with the following configuration: 3mm glass, no grilles 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

800 AWNING				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
	WITH WA	RM EDGE		
³/₄" Clear	2.22	0.45	0.54	0.56
3/4" Low-E	3.03	0.33	0.26	0.48
³/ ₄ " Low-E ^{sc}	3.03	0.33	0.20	0.37
³/₄″ Low-E2	3.45	0.29	0.25	0.46
3/4" Low-E2 ^{sc}	3.45	0.29	0.19	0.36
	3.33	0.30	0.26	0.48
3/4" HPsc Glass	3.33	0.30	0.20	0.37
³/4" HP2+ Glass	3.70	0.27	0.25	0.46
³/ ₄ " HP2+ ^{sc} Glass	3.70	0.27	0.19	0.37
	WITH WAR	RM EDGE+		
3/4" Low-E	3.23	0.31	0.26	0.48
³/ ₄ " Low-E ^{sc}	3.23	0.31	0.20	0.37
³/₄″ Low-E2	3.70	0.27	0.25	0.46
3/4" Low-E2sc	3.70	0.27	0.19	0.36
³/4" HP Glass	3.57	0.28	0.26	0.48
3/4" HPsc Glass	3.70	0.27	0.20	0.37
³/ ₄ " HP2+ Glass	4.00	0.25	0.25	0.46
³/ ₄ " HP2+ ^{sc} Glass	4.00	0.25	0.19	0.36

800 FRENCH SLIDING PATIO DOOR				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄″ Clear	2.22	0.45	0.50	0.52
3/4" Low-E	2.94	0.34	0.24	0.44
³/₄" HP Glass	3.23	0.31	0.24	0.44

800 CENTER HINGED PATIO DOOR				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄" Clear	2.22	0.45	0.47	0.49
3/4" Low-E	2.94	0.34	0.22	0.41
³/₄" HP Glass	3.13	0.32	0.22	0.41

800 FRENCH HINGED PATIO DOOR				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄" Clear	2.17	0.46	0.47	0.49
3/4" Low-E	2.86	0.35	0.23	0.41
³/₄″ HP Glass	3.03	0.33	0.23	0.41

800 SLIDING PATIO DOOR				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄" Clear	2.13	0.47	0.62	0.64
3/4" Low-E	2.94	0.34	0.29	0.54
³/₄″ HP Glass	3.33	0.30	0.29	0.54

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.

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-Esc (solar cooling) glass packages are 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 altitude applications.

Low-E — One lite of Low-E

Low-Esc — One lite of solar cooling Low-E

Low-E2[‡] — One lite of Low-E and one lite of Interior Surface Low-E

Low-E2^{sc‡} — One lite of solar cooling Low-E and one lite of Interior Surface Low-E

† These glass packages are combined with capillary tubes to address performance needs in high altitude applications.

P HP GLASS PACKAGES

GLASS
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 packages are also available in solar cooling (SC) glass packages 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

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

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, actually works to reflect 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-Esc 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.

SCREENS

- Low-E
- HP
- Tinted

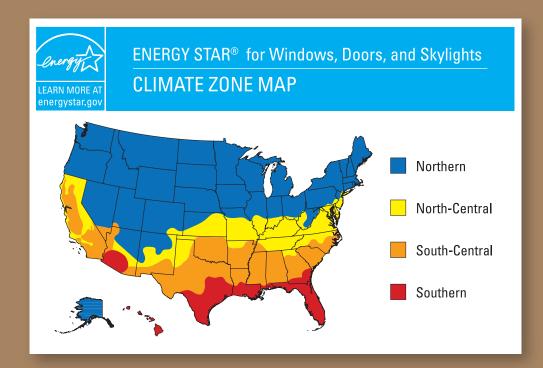
- Low-Esc
- HPsc
- Obscure

- Low-E2Low-E2^{SC}
- HP2+HP2+^{SC}
- Tempered*

NOTE: See page 19 for explanation of glass packages. Contact your Ply Gem Windows sales representative for a full list of Pro 800 Series glass thickness options and ratings.

Pro 800 Series screens feature white aluminum frames with fiberglass mesh. Screens for single hung units are half-length while screens for double hung, casement, awning and slider windows are full-length. Sliding patio door screens are full-length and feature steel rollers for ease of operation.

ENERGY STAR®



Ply Gem Pro 800 Series windows and patio doors can be configured to meet ENERGY STAR zones 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.







PLY GEM PRO 800 SERIES WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.

This means you can be assured that Ply Gem Pro 800 Series windows comply with specific green practice criteria in the National Green Building Standard. Visit www.GreenApprovedProducts.com for more details.

^{*} Tempered glass is standard on sliding patio doors



Colors shown may not be accurate representations. For color matching, please request color swatches from your Ply Gem sales representative

HARDWARE OPTIONS

PATIO DOOR HANDLE FINISHES



HUNG WINDOW SASH LOCKS





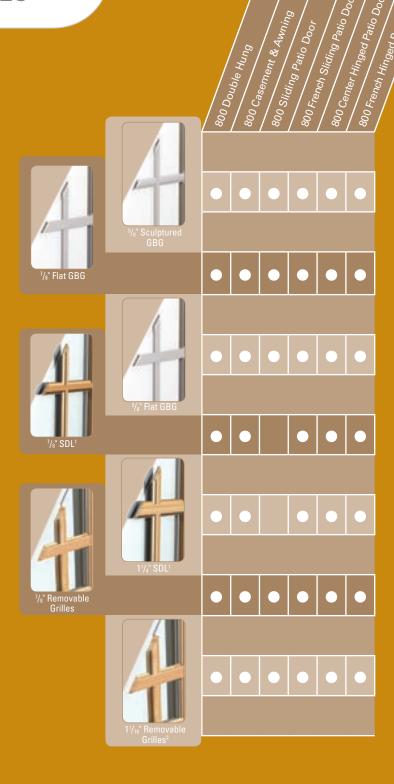
CASEMENT & AWNING HANDLES & LOCKS





GRILLE STYLES

GBG = Grilles-Between-the-Glass SDL = Simulated-Divided-Light



EXTENSION JAMBS

PRO SERIES 800

Available in primed or natural "clear" wood custom from 4 $^9/_{16}$ " to 6 $^9/_{16}$ " on doors and 8 $^9/_{16}$ " on windows

STANDARD GRILLE PATTERNS



ARCHITECTURAL SHAPES





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For more information, call 888-9PLYGEM.

₽PLy GEM

DesignedExterior™ siding