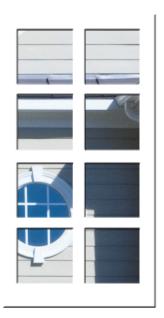




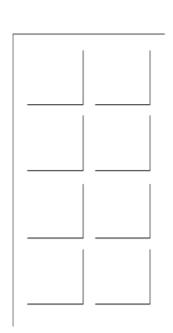




400, 300 & 200 SERIES



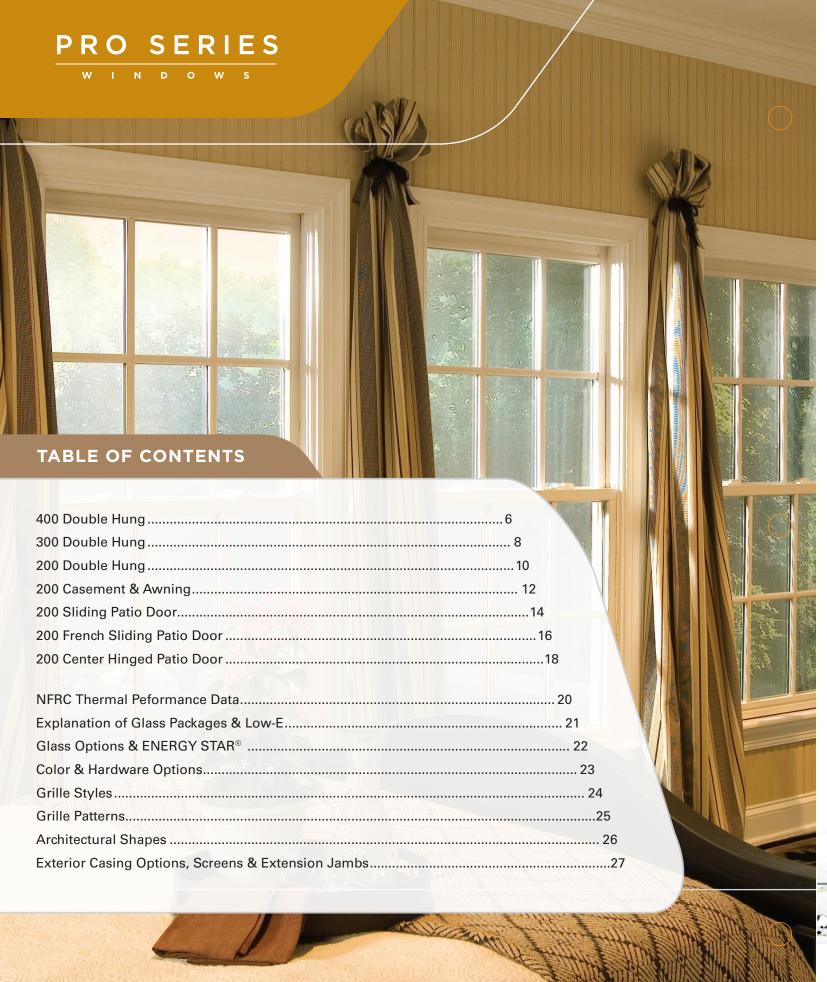
A WHOLE NEW POINT OF VIEW.



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 75 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 400, 300 & 200 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.



400 DOUBLE HUNG





EXTERIOR DETAIL



FEATURES

- 1 Robust interlock design for enhanced structural performance
- 2 4 ⁹/₁₆" jambs eliminate extensive drywall work
- 3 With standard compression balance system both sash tilt in and remove for safe and easy cleaning of exterior glass (shown with optional Easy Tilt sash system)
- Low-maintenance cellular PVC exterior components and brick mould ready to accept acrylic latex paints
- 5 Energy-efficient Warm Edge insulating glass
- **6** Traditional wood designed stile and rail construction
- 7 Cam lock provides security and enhanced performance
- 8 Sash made from low-maintenance cellular PVC components ready to accept acrylic latex paints
- **9** Foam-filled bulb weatherstripping on bottom rail creates an efficient weather barrier







The style. The features. The value. Our 400 double hung wood/composite units feature sash and exterior components made from low-maintenance cellular PVC to help increase performance and resist rot. They are optionally configured with our Easy-Tilt sash system, which makes cleaning your windows virtually effortless. Our selection of exterior casing options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the beauty of your home.





Cam lock provides security and enhanced performance



Robust interlock design for enhanced structural performance

400 DOUBLE HUNG

PRO SERIES 400 DOUBLE HUNG wood/composite windows bring out the beauty in any home. They feature paintable sash, sill and exterior components with the traditional look of wood and the weather-resistant benefits of cellular PVC. Choose from singles, twins, combinations, 30° and 45° angle bays, side lites, fixed and a wide selection of architectural shapes.

300 DOUBLE HUNG





FEATURES

- 1 4 9/16" jambs eliminate extensive drywall work
- 2 Both sash tilt in and remove for safe and easy cleaning of exterior glass
- 3 Low-maintenance cellular PVC exterior components and brick mould ready to accept acrylic latex paints
- 4 Bulb weather-stripping at top, bottom and pile weatherstripping at check rails for efficient performance and smooth, easy operation
- 5 Paint-free all-vinyl sash fusion-welded a the corners
- 6 Robust interlock design for enhanced structural performance
- Dual action sash lock provides security and enhanced performance
- 8 Balances counter-balanced with quiet, adjustable springs for smooth up and down action
- **9** Energy-efficient Warm Edge insulating glass









Add durability and beauty to any home with our 300 double hung units. They feature paint-free all vinyl sashes for increased performance and convenience. And, when you upgrade to our more convenient Easy-Tilt sash system, cleaning your windows will be easier than ever. Our selection of exterior casing options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the beauty of your home.



offers superior performance. Plus, they are available in singles, twins, combinations, 30° and 45° angle bays, side lites, fixed and a wide variety of

architectural shapes.







Balances counterbalanced with quiet, adjustable springs for smooth up and down action

200 DOUBLE HUNG





FEATURES

- 1 Low-maintenance cellular PVC exterior casing

- cleaning of exterior glass
- 5 Energy-efficient Warm Edge insulating glass
- 6 Bulb weatherstripping on sash for air-tight performance and smooth operation
- 7 Sash and interior made with select clear wood ready for staining to match any interior décor also available with primed interior for painting
- cleaning of exterior glass







Style comes standard with all of our 200 double hung wood/ composite windows. They are equipped with a tilt-in sash rot and can easily be painted. A selection of exterior casing options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the beauty of your home.





clear wood ready for paint or stain



system for simple It-in cleaning of



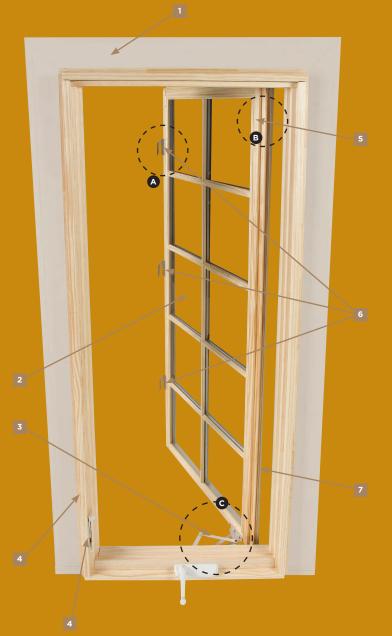




PRO SERIES 200 DOUBLE HUNG wood/composite windows combine historical looks with modern features. They're available in singles, twins, combinations, 30° and 45° angle bays, side lites, fixed and a wide selection of architectural shapes.

200 CASEMENT & AWNING



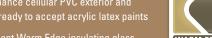


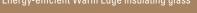
FEATURES

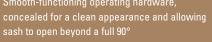
- 2 Energy-efficient Warm Edge insulating glass
- **3** Smooth-functioning operating hardware,

Don't just add looks; add value with our 200 casement & awning wood/composite windows. They feature a weatherresistant stainless steel hinge track and an adjustable hinge that ensures consistent and precise operation. The sash opens a full 90° for simple cleaning. Low-maintenance cellular PVC exterior components and brick mould help resist rot and are ready to be painted. A selection of exterior cladding options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the beauty of

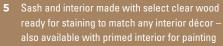








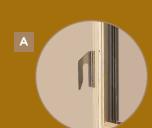








8 Single lever for operating locking system



ocking system, enhancing weather



Sash and interior clear wood ready for paint or stain



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



200 CASEMENT & AWNING

windows combine modern features with historical appeal. Choose from singles, twins, combinations, 30° and 45° angle bays, side lites, fixed and a wide selection of architectural shapes.

200 SLIDING PATIO DOOR



WARM EDGE TECHNOLOGY



FEATURES

- 3 Natural wood ready for staining to match any interior décor – also available with primed interior for painting
- 4 4 9/16" jambs eliminate extensive drywall work
- 5 Energy-efficient Warm Edge insulating tempered glass
- 6 Adjustable rollers ensure smooth operation
- 7 Composite sill, combines wood, aluminum and vinyl for enhanced durability
- 8 Handle sets available in white, sandalwood and

Take your home's value up a notch with our 200 sliding patio doors. They feature a low-maintenance cellular PVC brick mould and water-repellent wood preservative treated exterior components that are ready to be painted. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles are available with or without a keyed lock. A selection of exterior casing accurate look to help enhance the beauty of your home.



200 SLIDING PATIO DOOR

PRO SERIES 200 SLIDING PATIO DOORS

are equipped with all the right looks and all the right features. They are available with matching side lites, fixed panels, transoms, segmented transoms and a variety of architectural shapes.





Adjustable rollers ensure smooth



9/₁₆" jambs elimina<u>te</u> xtensive drywall work

200 FRENCH SLIDING PATIO DOOR





FEATURES

- 1 Energy-efficient Warm Edge insulating tempered glass
 - Low-maintenance cellular PVC exterior brick mould with water-repellent preservative treated wood components are ready for acrylic latex paints
- **3** Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- interior décor also available with primed interior for painting
- finishes: bright brass, antique brass, oil rubbed bronze or satin nickel interior and exterior handle sets (bright brass shown)
- 4 ⁹/₁₆" jambs eliminate extensive drywall work
- 7 Composite sill combines wood, aluminum and vinyl for enhanced durability
- 8 Adjustable rollers ensure smooth operation
- 9 1 ¾" panels with wide stiles and rails for true French look









Give your home the extra touch it needs with our 200 French sliding patio doors. They feature a low-maintenance cellular PVC brick mould and water-repellent wood preservative treated exterior components that are ready to be painted. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles come standard and a security foot bolt is also available. A selection of exterior casing options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the



Bright brass (standard) antique brass, oil rubbed bronze or satin nickel with matching hinge and strike



Adjustable rollers ensure smooth operation

beauty of your home.



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

PRO SERIES 200 FRENCH SLIDING

SLIDING PATIO DOOR

200 FRENCH

PATIO DOORS are as inviting as it gets with low-maintenance features and stunning looks. Choose from matching side lites, fixed panels, transoms, segmented transoms and a variety of architectural shapes.

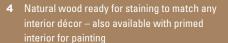
200 CENTER HINGED PATIO DOOR





FEATURES

- 1 Optional multi-point locking hardware with adjustable hinge option[‡]
- 2 Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- 3 Low-maintenance cellular PVC exterior brick mould with water-repellent preservative treated wood components are ready for acrylic latex paints



- 5 Multi-fin door sweep on operating panel
- 6 4 9/16" jambs eliminate extensive drywall work
- 7 Standard is no bore, single bore, or dead bolt bore without hardware; 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)
- 8 Energy-efficient Warm Edge insulating tempered glass
- 9 Composite sill combines wood, aluminum and vinyl for enhanced durability









Bring out the best in your home with our 200 center hinged patio doors. They feature a low-maintenance cellular PVC brick mould and water-repellent wood preservative treated exterior components that are ready to be painted. They are constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles come standard. A selection of exterior casing options and simulated-divided-lite (SDL) provide a historically accurate look to help enhance the beauty of your home.



Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation

Bright brass (standard), antique brass, oil rubbed bronze or satin nickel with matching hinge and strike



Multi-fin door sweep on operating panel

PRO SERIES 200 CENTER HINGED

HINGED PATIO DOOR

200 CENTER

PATIO DOORS deliver style and performance to any home. They are available with matching side lites, fixed panels, transoms, segmented transoms and a wide variety of architectural shapes.

THERMAL PERFORMANCE DATA

PRO SERIES 400 DOUBLE HUNG						
		NF	RC CERTIF	IED		
	R Value	U Factor	SHGC	VT		
³/₄" Clear	2.22	0.45	0.58	0.61		
3/4" Low-E	3.13	0.32	0.27	0.51		
³/₄" HP Glass	3.45	0.29	0.27	0.51		

PRO SERIES 300 DOUBLE HUNG						
	NFRC CERTIFIED					
	R Value	U Factor	SHGC	VT		
³/₄" Clear	2.17	0.46	0.61	0.63		
3/4" Low-E	3.03	0.33	0.28	0.53		
³/₄" HP Glass	3.45	0.29	0.28	0.53		

PRO SERIES 200 DOUBLE HUNG W/ SDL				
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
	WITH WA	RM EDGE		
5/8" Clear	1.92	0.52	0.58	0.61
5/8" Low-E	2.38	0.42	0.28	0.51
5/8" Low-Esc	2.38	0.42	0.22	0.40
5/8" Low-E2+	2.86	0.35	0.27	0.50
5/8" Low-E2+sc	2.86	0.35	0.21	0.39
5/8" HP Glass	2.70	0.37	0.28	0.51
5/8" HPsc Glass	2.70	0.37	0.22	0.40
5/8" HP2+ Glass	3.13	0.32	0.27	0.50
5/8" HP2+sc Glass	3.13	0.32	0.21	0.39
	WITH WAR	RM EDGE+		
5/8" Low-E	2.44	0.41	0.28	0.51
5/8" Low-Esc	2.44	0.41	0.22	0.40
5/8″ Low-E2+	2.86	0.35	0.27	0.50
5/8" Low-E2+sc	2.86	0.35	0.21	0.39
⁵/8" HP Glass	2.78	0.36	0.28	0.51
5/8" HPsc Glass	2.78	0.36	0.22	0.40
⁵/ ₈ " HP2+ Glass	3.23	0.31	0.27	0.50
5/8" HP2+SC Glass	3.23	0.31	0.21	0.39

PRO SERIES 200 DOUBLE HUNG						
		NF	NFRC CERTIFIED			
	R Value	U Factor	SHGC	VT		
	WITH WA	RM EDGE				
5/8" Clear	2.08	0.48	0.58	0.61		
⁵/₃″ Low-E	2.78	0.36	0.28	0.51		
5/8" Low-Esc	2.78	0.36	0.22	0.40		
⁵/ ₈ ″ Low-E2+	3.23	0.31	0.27	0.50		
5/8" Low-E2+sc	3.23	0.31	0.21	0.39		
	3.13	0.32	0.27	0.51		
	3.13	0.32	0.21	0.40		
⁵/8" HP2+ Glass	3.57	0.28	0.27	0.50		
5/8" HP2+sc Glass	3.57	0.28	0.20	0.39		
	WITH WAR	RM EDGE+				
5/8" Low-E	2.86	0.35	0.28	0.51		
5/8" Low-Esc	2.86	0.35	0.22	0.40		
5/8″ Low-E2+	3.23	0.31	0.27	0.50		
5/8" Low-E2+sc	3.33	0.30	0.21	0.39		
⁵/8" HP Glass	3.23	0.31	0.27	0.51		
5/8" HP ^{sc} Glass	3.23	0.31	0.21	0.40		
⁵/8" HP2+ Glass	3.57	0.28	0.27	0.50		
5/8" HP2+sc Glass	3.70	0.27	0.20	0.39		

PRO SERIES 200 CASEMENT					
		NFRC CERTIFIED			
	R Value	U Factor	SHGC	VT	
	WITH WA	RM EDGE			
5/8" Clear	2.22	0.45	0.54	0.56	
5/8" Low-E	3.03	0.33	0.25	0.47	
5/8" Low-Esc	3.03	0.33	0.20	0.37	
5/8" Low-E2+	3.45	0.29	0.25	0.46	
5/8" Low-E2+sc	3.45	0.29	0.19	0.36	
	3.33	0.30	0.25	0.47	
5/8" HP ^{SC} Glass	3.33	0.30	0.19	0.37	
5/8" HP2+ Glass	3.70	0.27	0.24	0.46	
5/8" HP2+sc Glass	3.70	0.27	0.19	0.36	
	WITH WAR	RM EDGE+			
5/8" Low-E	3.13	0.32	0.25	0.47	
5/8" Low-Esc	3.23	0.31	0.20	0.37	
5/8" Low-E2+	3.57	0.28	0.25	0.46	
5/8" Low-E2+sc	3.57	0.28	0.19	0.36	
⁵/8" HP Glass	3.45	0.29	0.25	0.47	
5/8" HPsc Glass	3.57	0.28	0.19	0.37	
5/8" HP2+ Glass	3.85	0.26	0.24	0.46	
5/8" HP2+sc Glass	4.00	0.25	0.19	0.36	

PRO SERIES 200 AWNING					
		NF	RC CERTIFI	IED	
	R Value	U Factor	SHGC	VT	
	WITH WA	RM EDGE			
5/8" Clear	2.22	0.45	0.53	0.55	
5/8" Low-E	3.03	0.33	0.25	0.47	
5/8" Low-Esc	3.03	0.33	0.19	0.37	
5/8" Low-E2+	3.45	0.29	0.24	0.45	
5/8" Low-E2+sc	3.45	0.29	0.19	0.36	
	3.33	0.30	0.25	0.47	
5/8" HPsc Glass	3.45	0.29	0.19	0.37	
5/8" HP2+ Glass	3.70	0.27	0.24	0.45	
5/8" HP2+sc Glass	3.70	0.27	0.18	0.36	
	WITH WAR	RM EDGE+			
5/8" Low-E	3.13	0.32	0.25	0.47	
5/8" Low-Esc	3.23	0.31	0.19	0.37	
5/8" Low-E2+	3.57	0.28	0.24	0.45	
5/8" Low-E2+sc	3.57	0.28	0.19	0.36	
5/8" HP Glass	3.45	0.29	0.25	0.47	
5/8" HPsc Glass	3.57	0.28	0.19	0.37	
5/8" HP2+ Glass	3.85	0.26	0.24	0.45	
5/8" HP2+sc Glass	3.85	0.26	0.18	0.36	

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

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.

PRO SERIES 200 SLIDING PATIO DOOR

		NFRC CERTIFIED			
	R Value	U Factor	SHGC	VT	
³/₄" Clear	2.08	0.48	0.62	0.65	
³/ ₄ " Low-E	2.94	0.34	0.29	0.55	
³/₄″ HP Glass	3.33	0.30	0.29	0.55	

PRO SERIES 200 FRENCH SLIDING PATIO DOOR

		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄" Clear	2.22	0.45	0.51	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

PRO SERIES 200 CENTER HINGED PATIO DOOR

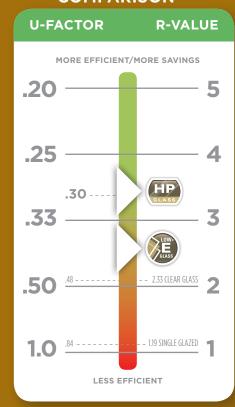
		NFRC CERTIFIED		
	R Value	U Factor	SHGC	VT
³/₄" Clear	2.22	0.45	0.47	0.49
3/4" Low-E	2.94	0.34	0.22	0.41
³/₄" HP Glass	3.13	0.32	0.22	0.41

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

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.

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.

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 glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

Low-E — One lite of Low-E.



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 — One lite of Low-E and argon gas fill.

GLASS OPTIONS

• Low-E

• HP

- Tinted
- Obscure
- Tempered*
- Laminated
- * Tempered glass is standard on sliding patio doors

NOTE: Contact your Ply Gem Windows sales representative for a full list of Pro 400, 300 & 200 Series glass thickness options and ratings.

WHAT IS LOW-E?

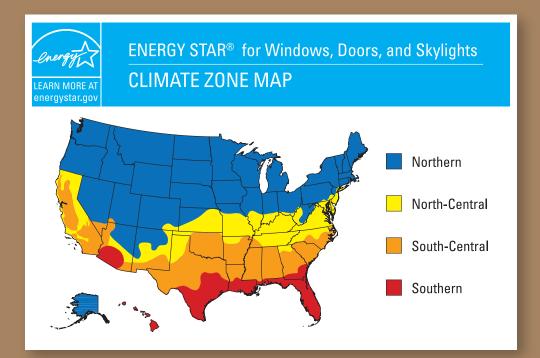


Low-E glass has a secondary, very thin metallic dual layer coating. This allows the sun's heat and light to pass through the insulating glass, but, at the same time, actually works to reflect radiant heat back toward its source. Since Low-E coating reflects radiant heat waves, it helps keep your home warmer in the winter by trapping radiant heat and cooler in the summer by blocking it from your home.

NATURAL LIGHTWITHOUT 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.

ENERGY STAR



Ply Gem Pro 400, 300 and 200 Series windows and patio doors can be configured to meet a specific ENERGY STAR zone in all states. 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.





Home Innovation NGBS GREEN CERTIFIED.

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PLY GEM PRO 400, 300 & 200 SERIES WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.

This means you can be assured that Ply Gem Pro 400, 300 & 200 Series windows comply with specific green practice criteria in the National Green Building Standard. Visit GreenApprovedProducts.com for more details.

COLOR OPTIONS

400 Double Hung‡

300 Double Hung*

200 Double Hung**

200 Casement & Awn

200 Sliding Patio Dod

200 French Sliding Patio Doors**

200 Center Hinged Patio Doors**

				WOOD
	INT. EXT.	INT. EXT.	INT. EXT.	INTERIOR
	• •			
	• •			
			• •	
ning**			• •	
ors**			• •	

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

‡ 400 double hung units are constructed from cellular PVC components that are ready to accept acrylic latex paint.

HARDWARE OPTIONS

PATIO DOOR HANDLE FINISHES



DOUBLE HUNG SASH LOCKS









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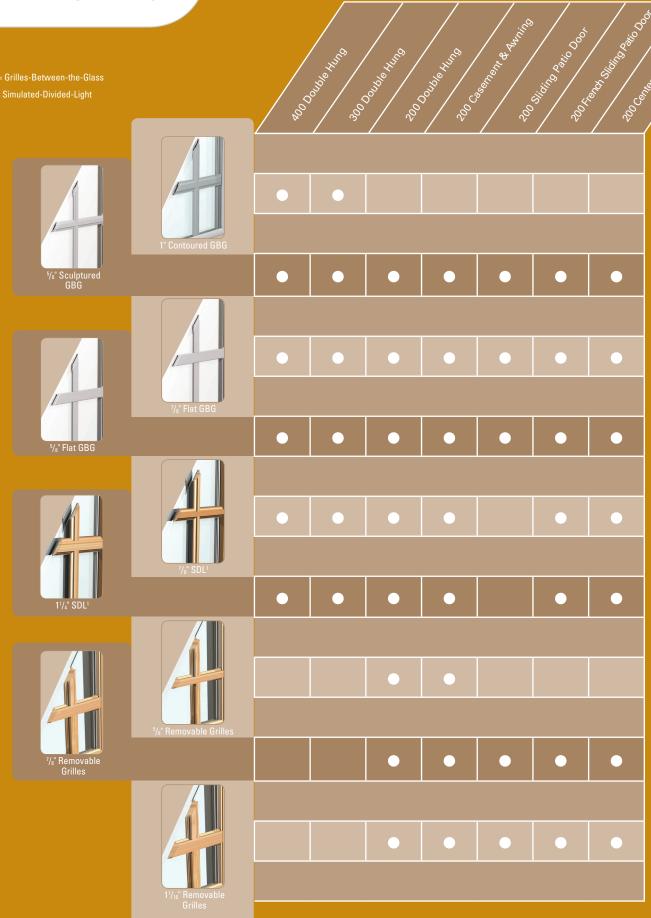


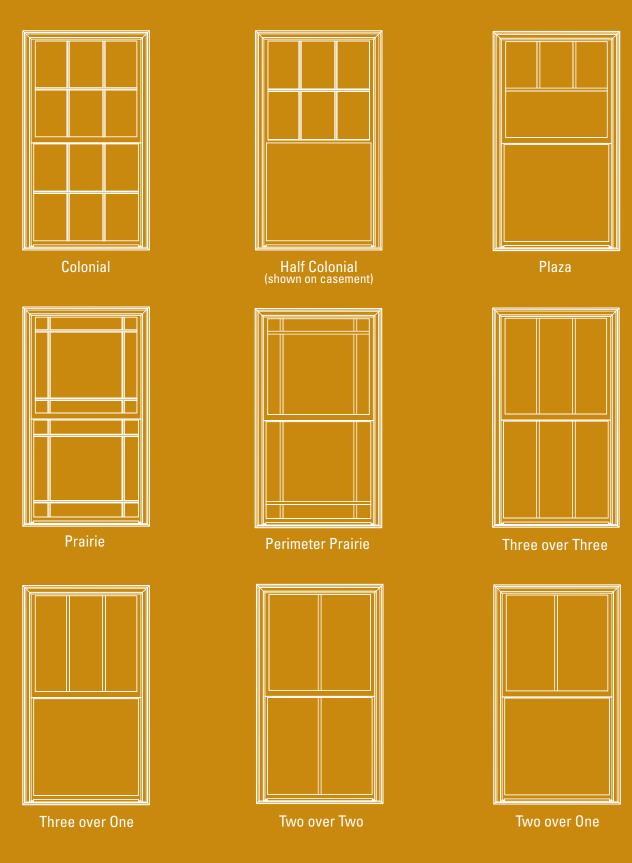
CASEMENT & AWNING

HANDLES & LOCKS

^{* 300} double hung colors indicate the color of the all-vinyl sash. The all-vinyl sash must not be painted. The exterior casing and other interior exposed surfaces are constructed from cellular PVC components that are ready to accept acrylic latex paint.

^{** 200} windows and doors feature PVC exterior components with water-repellent preservative treated wood sash and door panels primed on the exterior.





Call customer service for optional grille patterns (800.999.8400

1. SDL available on Pro 400 windows in white cellular PVC; Pro 300 windows in color-coordinated cellular PVC; and Pro 200 Series windows and doors in exterior white cellular PVC with wood interior.



EXTERIOR CASING OPTIONS FOR PRO 400, 300 AND 200 SERIES



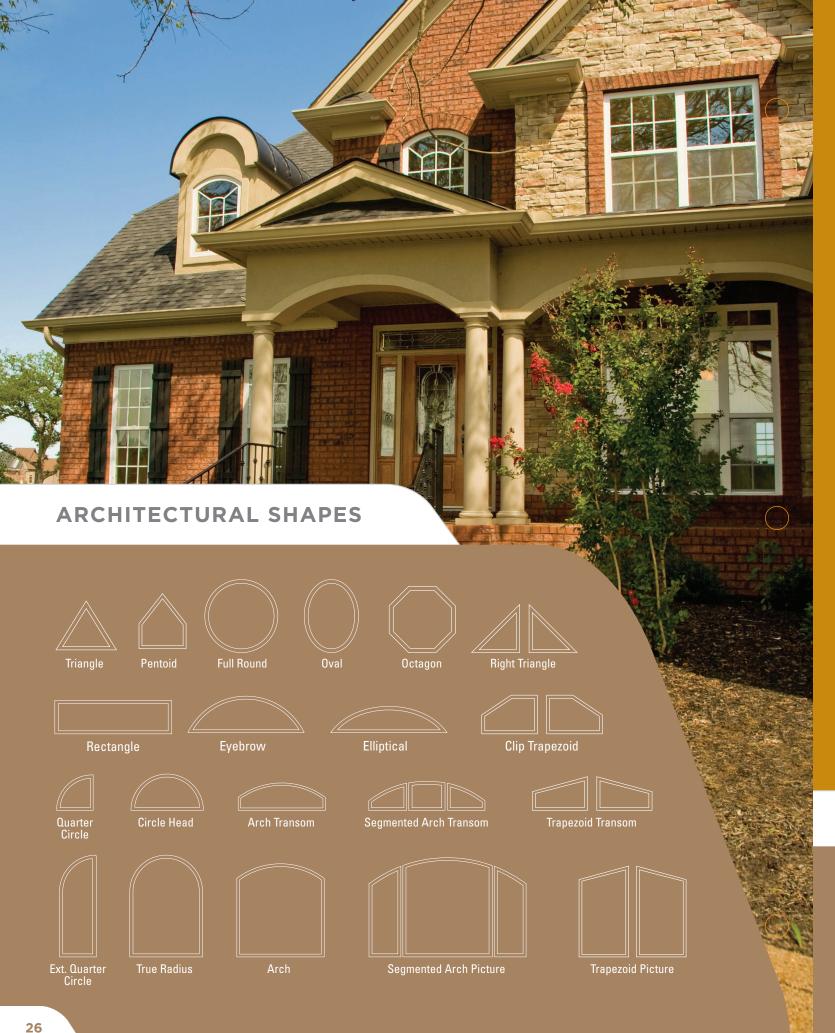




SCREENS

Pro 400, 300 and 200 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.

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





















615-885-0355 | www.warrenbros.com



