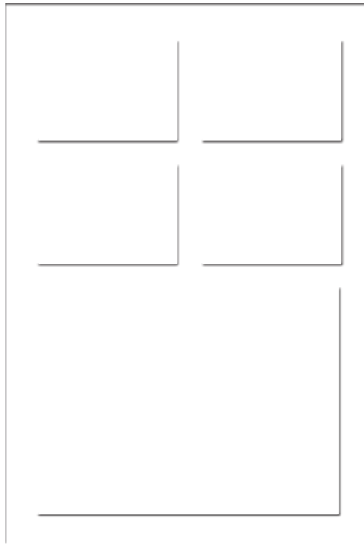




VINYL-CLAD & WOOD PRODUCTS



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.



BUILDER SERIES

W I N D O W S

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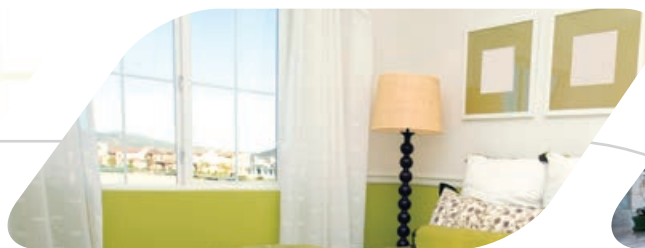
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More value. More performance. More solutions.

If you're looking for a window that delivers the best possible performance at the best possible value, look no further than Ply Gem Windows Builder Series. It's energy-efficient, virtually maintenance-free and can withstand the toughest tests, including the test of time. Combine that quality with our commitment to customer service and you've got a company that knows how to deliver exactly what you want.

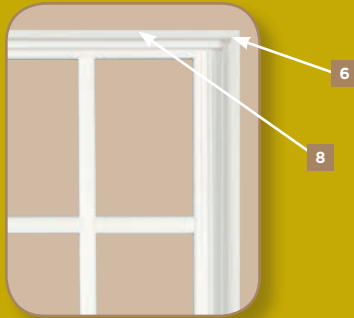


A WHOLE NEW POINT OF VIEW.

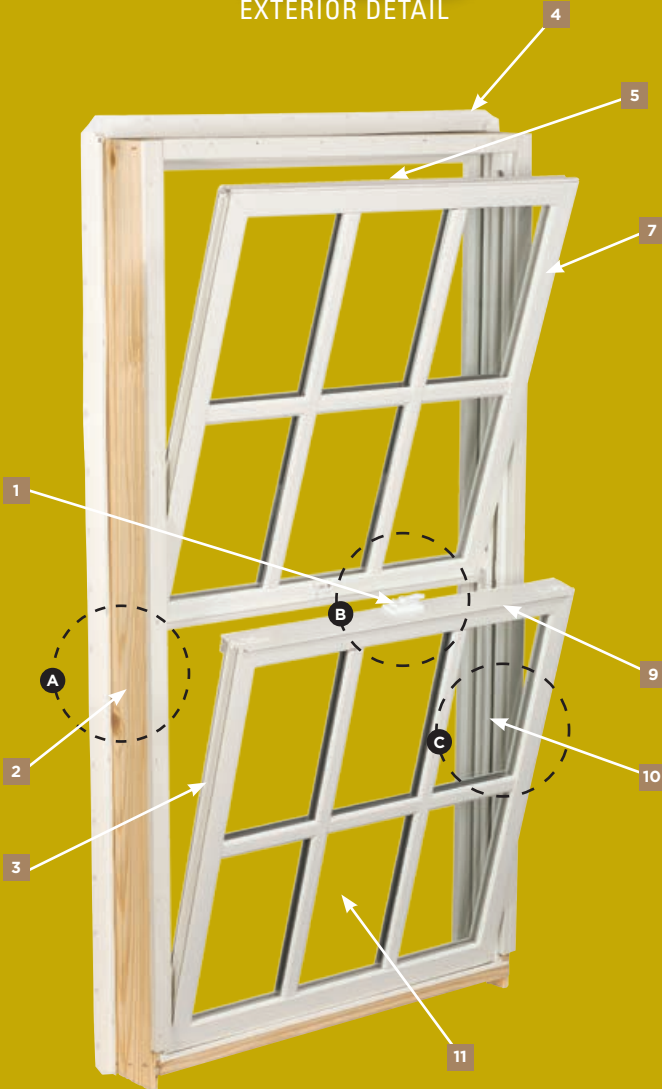


600 DOUBLE HUNG

BUILDER SERIES 600 DOUBLE HUNG vinyl-clad wood windows with paint-free all-vinyl sash, are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.



EXTERIOR DETAIL



FEATURES

- 1 Dual action sash lock provides security and enhanced performance
- 2 4 9/16" jamb eliminates extensive drywall work
- 3 Both sash tilt in and remove for safe and easy cleaning of exterior glass (optional Easy-Tilt sash system shown)
- 4 Pre-punched nailing fin with corner gasket for simple installation
- 5 Weatherstripping at top, bottom and check rails for efficient performance and smooth, easy opening and closing
- 6 Rigid form-fitting vinyl cladding on frame, fusion-welded at top two corners for maximum protection against the elements
- 7 Paint-free all-vinyl sash fully welded at the corners
- 8 Exterior integral face groove allows for easy mulling
- 9 Full-length lift rail along top of bottom sash for convenient opening and closing
- 10 Balances counter-balanced with quiet, adjustable springs for smooth up and down action
- 11 Energy-efficient Warm Edge insulating glass



600 double hung vinyl-clad windows come with our standard simple tilting sash system. Upgrade to our more convenient Easy-Tilt sash system that allows for easy one touch tilt-in cleaning of the exterior glass.



A 4 9/16" jamb eliminates extensive drywall work



B Dual action sash lock provides security and enhanced performance

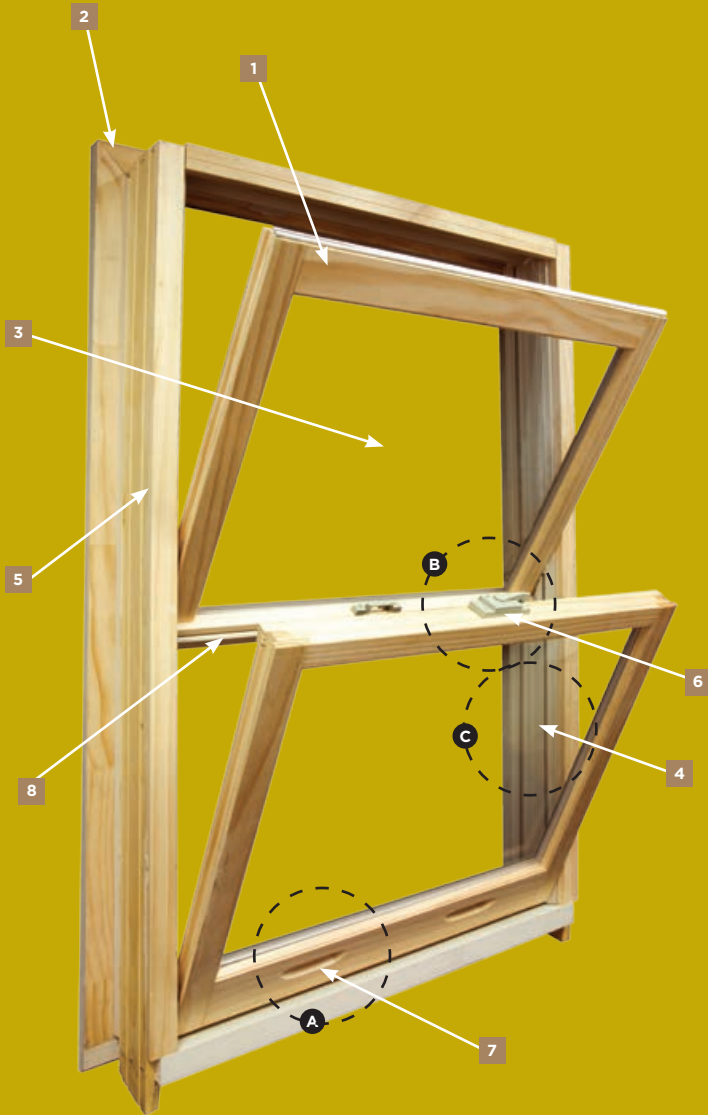


C Balances counter-balanced with quiet, adjustable springs for smooth up and down action



100 DOUBLE HUNG

BUILDER SERIES 100 DOUBLE HUNG wood windows are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.



FEATURES

- 1 Natural wood sash and interior ready for staining to match any interior décor – also available with primed interior for painting
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Energy-efficient Warm Edge insulating glass
- 4 Compression balance system for simple tilt-in cleaning of exterior glass
- 5 4 9/16" jamb's eliminate need for drywall work; custom jamb extensions to 8 9/16"
- 6 Standard white cam action sash locks and matching white jambliner; optional bronzetone cam action sash locks and matching beige jambliner available
- 7 Routed finger lift-in bottom sash rail for easy operation
- 8 Foam-filled weatherstripping on sash for airtight performance and smooth operation



100 double hung units are wood windows with exterior components and brick mould treated with water-repellent preservative. The interior natural wood is ready for paint or stain, while the exterior wood is primed and ready to accept acrylic latex paints. Double hung units come with our standard convenient simple tilting sash system that allows for safe tilt-in cleaning of the exterior glass. Our selection of exterior casing options provides an authentic historic look. (See page 23 for options.)



A Routed finger lift-in bottom sash rail for easy operation



B Cam action sash locks and matching jambliner

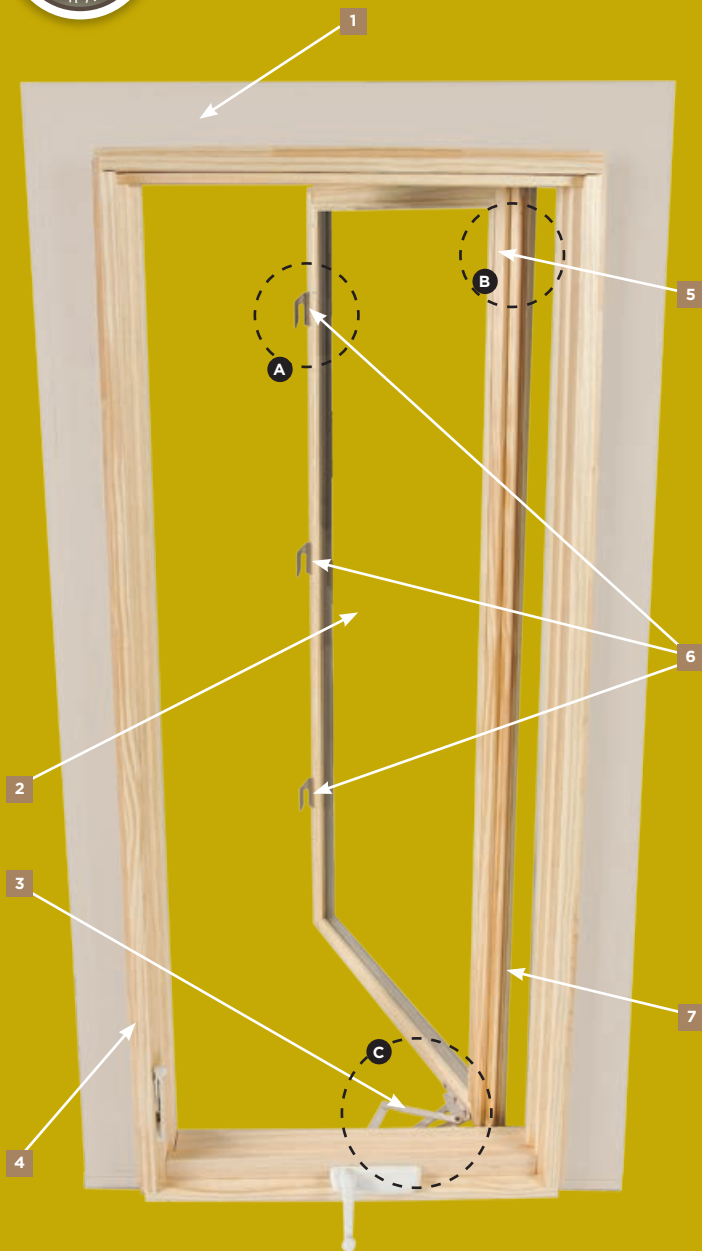


C Compression balance system for simple tilt-in cleaning of exterior glass



100 CASEMENT & AWNING

BUILDER SERIES 100 CASEMENT & AWNING wood windows are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.



FEATURES

- 1 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 2 Energy-efficient Warm Edge insulating glass
- 3 Smooth-functioning operating hardware, concealed for a clean appearance and allowing sash to open beyond a full 90°
- 4 4 9/16" jamba eliminates extensive drywall work
- 5 Natural wood sash and interior ready for staining to match any interior décor – also available with primed interior for painting
- 6 Concealed multi-point locking system, enhancing weather performance and security
- 7 Leaf weatherstripping on sash and bulb weatherstripping on frame for air-tight performance and smooth operation



100 casement & awning windows feature a weather-resistant stainless steel hinge track and an adjustable hinge that ensures consistent and precise operation. The sash opens a full 90° for simple cleaning of the exterior glass from inside the home.

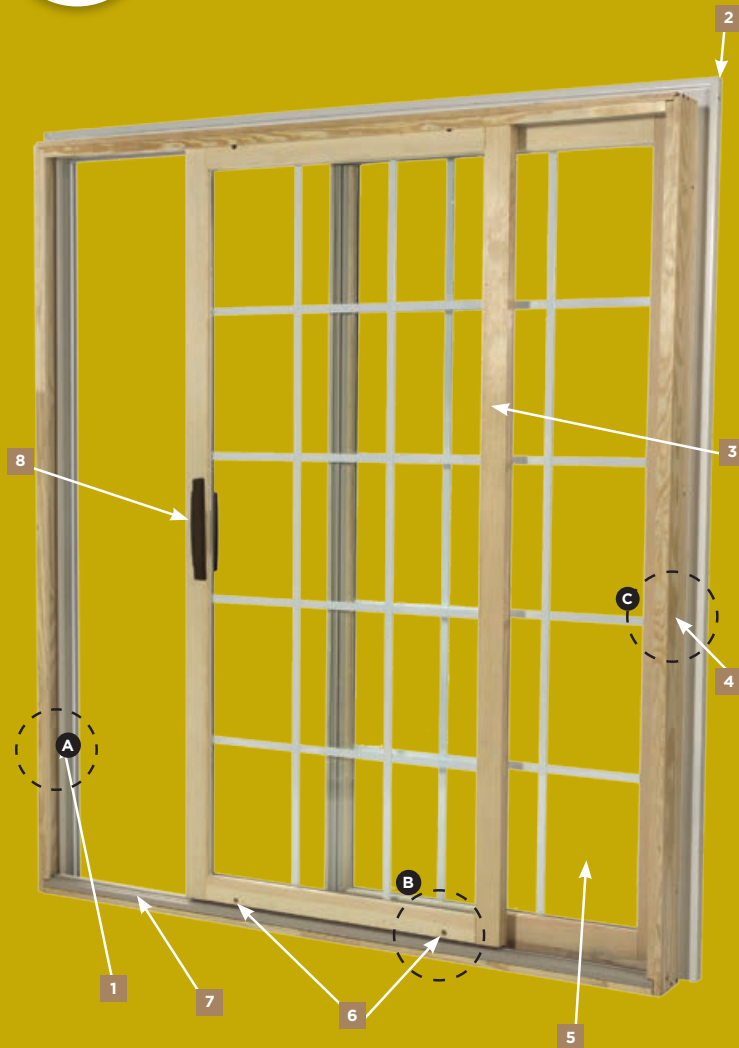
The interior is natural wood ready for paint or stain, while the exterior wood is treated with water-repellent preservative and primed, ready to accept acrylic latex paints. Our selection of exterior casing options provides an authentic historic look. (See page 23 for options.)





100 SLIDING PATIO DOOR

BUILDER SERIES 100 SLIDING PATIO DOORS are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.



FEATURES

- 1 Full-perimeter weatherstripping for air-tight performance and smooth operation
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 4 4 9/16" jambs eliminates extensive drywall work
- 5 Energy-efficient Warm Edge insulating tempered glass
- 6 Adjustable rollers
- 7 Composite sill, combines wood, aluminum and vinyl
- 8 Handle sets available in white, sandalwood and oil-rubbed bronze



100 sliding patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles available with or without keyed lock. Security foot bolt also available. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See pages 22 & 23 for options.)



A Full-perimeter weatherstripping for air-tight performance and smooth operation



B Easy access to adjustable rollers



C 4 9/16" jambs eliminates extensive drywall work



100 FRENCH SLIDING PATIO DOOR

BUILDER SERIES 100 FRENCH SLIDING 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.



FEATURES

- 1 Energy-efficient Warm Edge insulating tempered glass
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- 4 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 5 Multi-point hardware available in a variety of finishes (see page 22)
- 6 4 9/16" jambs eliminates extensive drywall work
- 7 Composite sill combines wood, aluminum and vinyl
- 8 Adjustable rollers
- 9 1 3/4" panels with wide stiles and rails for true French look



100 French sliding patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles with keyed multi-point lock are standard. A security foot bolt is also available. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See pages 22 & 23 for options.)



A Multi-point hardware available in a variety of finishes – bright brass shown (see page 62)



B Easy access to adjustable rollers

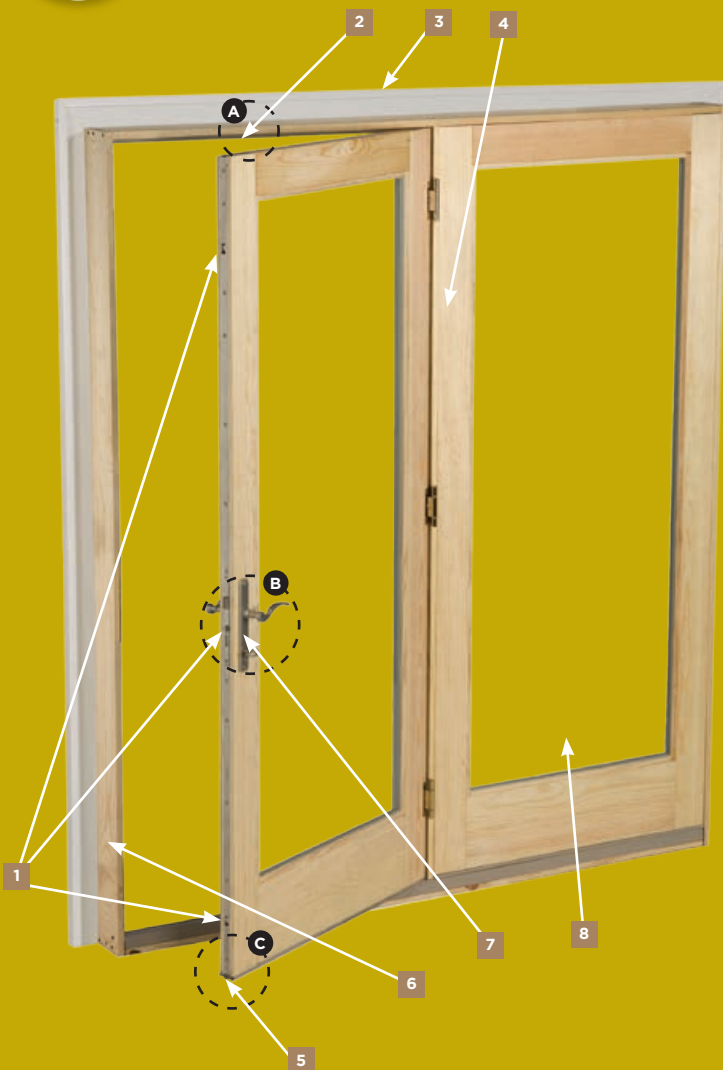


C Composite sill, combines wood, aluminum and vinyl



100 CENTER HINGED PATIO DOOR

BUILDER SERIES 100 CENTER HINGED PATIO DOORS are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.



FEATURES

- 1 Optional multi-point locking hardware with adjustable hinge option³
- 2 Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- 3 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 4 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 5 Multi-fin door sweep on operating panel
- 6 4 9/16" jambs eliminates extensive drywall work
- 7 Standard is no bore, single bore or dead bolt bore without hardware – optional multi-point hardware available in a variety of finishes – optional satin nickel shown (see page 22)
- 8 Energy-efficient Warm Edge insulating tempered glass



100 center hinged patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles with keyed lock are standard. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See pages 22 & 23 for options.)



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



B Standard is no bore, single bore, single bore or dead bolt bore without hardware. Optional multi-point hardware available in a variety of finishes – optional satin nickel shown (see page 22)



C Multi-fin door sweep on operating panel

1. Optional Low-E upgrade for better performance. 2. Optional HP Glass combines Low-E with argon gas fill for high performance. 3. Standard is no bore, single bore or dead bolt bore without hardware.

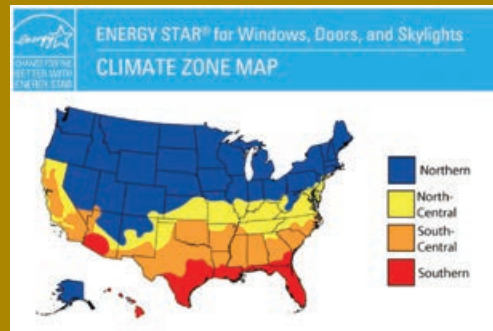
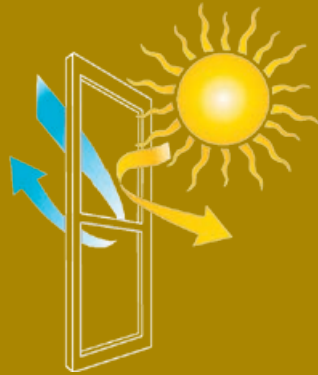
- Low-E
- Low-E^{SC}
- Low-E2
- Low-E2^{SC}
- HP
- HP^{SC}
- HP2+
- HP2+^{SC}
- Tinted
- Obscure
- Tempered*
- Laminated
(security)
- Sound Package
(off-set glass)

Builder Series screens feature color matched aluminum frames with fiberglass or wire mesh. Sliding patio door screens feature steel rollers for ease of operation.

*Tempered glass is standard on sliding patio doors.

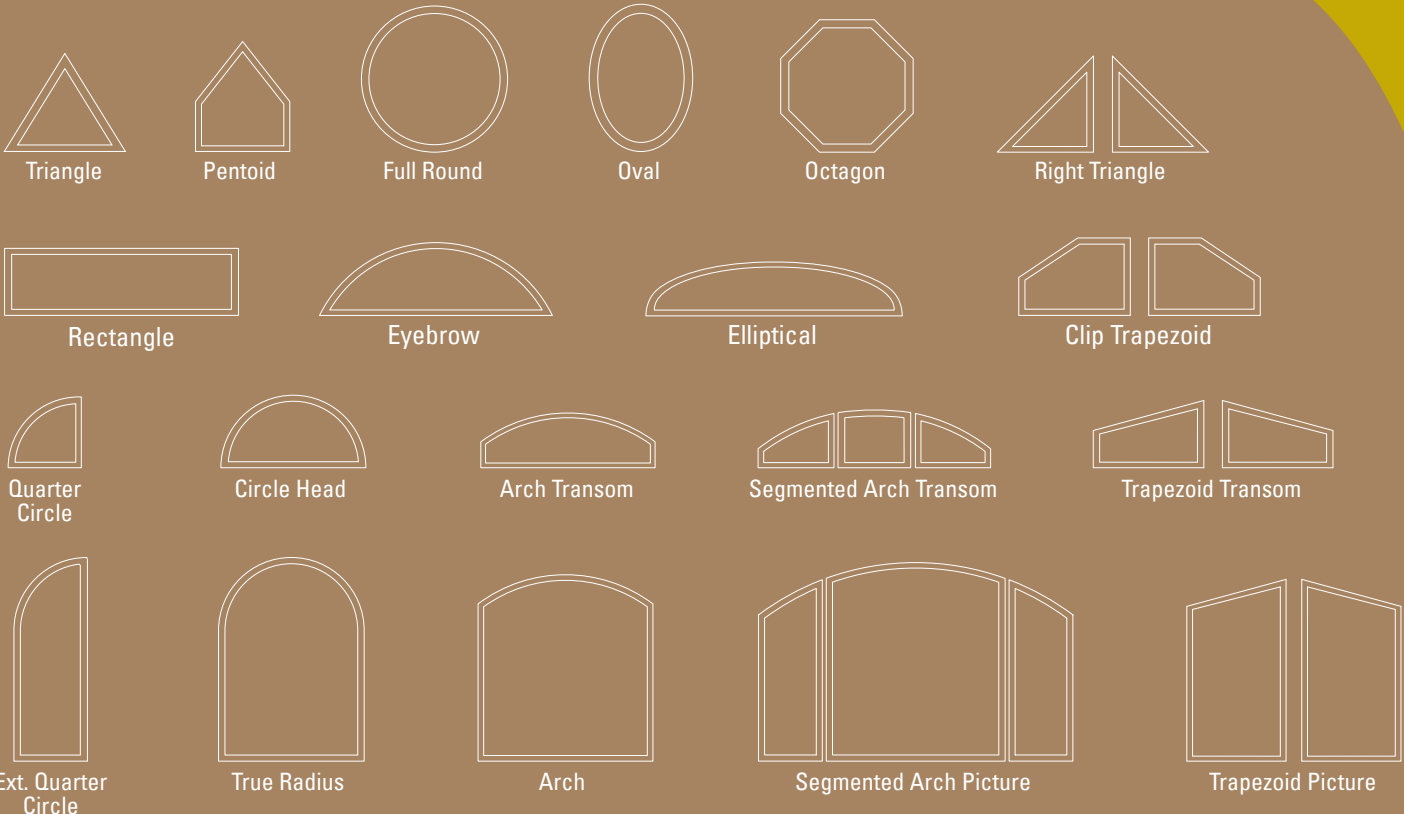
WHAT IS LOW-E?

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

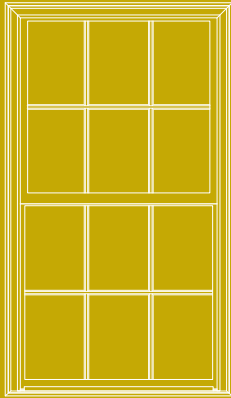


Ply Gem Windows and Patio Doors with the High Performance Low-E glazing system can be configured to meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.

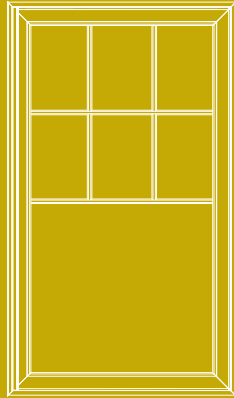
ARCHITECTURAL SHAPES



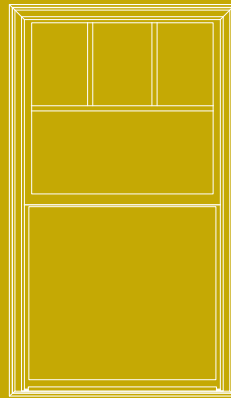
STANDARD GRILLE PATTERNS



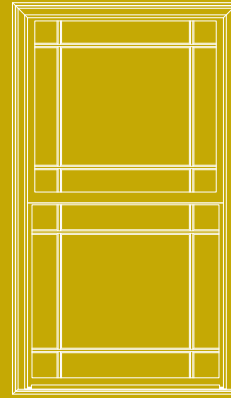
Colonial



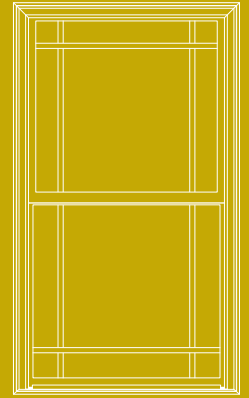
Half Colonial
(shown on Casement)



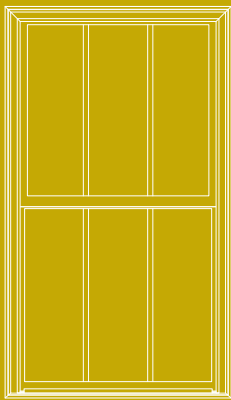
Plaza



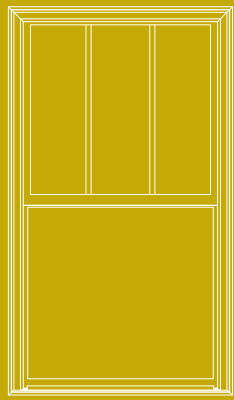
Prairie



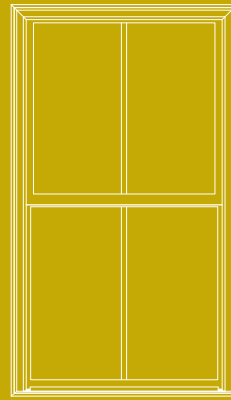
Perimeter Prairie



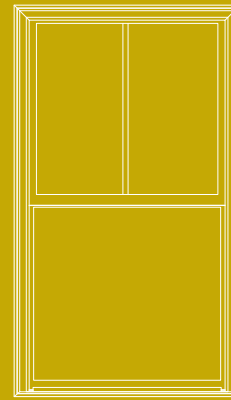
Three over Three



Three over One



Two over Two



Two over One

Call customer service for optional grille patterns (800.999.8400).

NFRC THERMAL PERFORMANCE DATA - DOORS

100 WOOD SLIDING PATIO DOOR

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

100 WOOD FRENCH SLIDING PATIO DOOR

3mm Glass	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
3/4" IGU Clear	2.22	0.45	0.51	0.52
3/4" IGU Low-E	2.94	0.34	0.24	0.44
3/4" IGU HP Glass	3.23	0.31	0.24	0.44

100 WOOD CENTER HINGED PATIO DOOR

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

NOTE:

Low-E^{SC} = Solar cooling optimized Low-E
 HP = Combines Low-E and argon gas fill for high performance
 HP^{SC} = Combines solar cooling optimized Low-E and argon gas fill for enhanced performance
 Warm Edge+ = High performance Warm Edge+ spacer system

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

NFRC THERMAL PERFORMANCE DATA - WINDOWS

BUILDER SERIES WOOD PRODUCTS

100 DOUBLE HUNG				
R Value	NFRC CERTIFIED			
	U Factor	SHGC	VT	
WITH WARM EDGE				
5/8" Clear	2.08	0.48	0.58	0.61
5/8" Low-E	2.78	0.36	0.28	0.51
5/8" Low-E ^{SC}	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
5/8" HP Glass	3.13	0.32	0.27	0.51
5/8" HP ^{SC} Glass	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 WARM EDGE+				
5/8" Clear	2.08	0.48	0.58	0.61
5/8" Low-E	2.86	0.35	0.28	0.51
5/8" Low-E ^{SC}	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

600 VINYL-CLAD DOUBLE HUNG				
R Value	NFRC CERTIFIED			
	U Factor	SHGC	VT	
WITH WARM EDGE				
5/8" Clear	2.08	0.48	0.59	0.62
5/8" Low-E	2.78	0.36	0.28	0.52
5/8" Low-E ^{SC}	2.86	0.35	0.22	0.41
5/8" Low-E2+	3.23	0.31	0.27	0.51
5/8" Low-E2+ ^{SC}	3.33	0.30	0.21	0.40
5/8" HP	3.23	0.31	0.28	0.52
5/8" HP ^{SC}	3.23	0.31	0.21	0.41
5/8" HP2+	3.57	0.28	0.27	0.51
5/8" HP2+ ^{SC}	3.70	0.27	0.21	0.40
WITH WARM EDGE+				
5/8" Clear	2.13	0.47	0.59	0.62
5/8" Low-E	2.94	0.34	0.28	0.52
5/8" Low-E ^{SC}	2.94	0.34	0.28	0.52
5/8" Low-E2+	3.45	0.29	0.27	0.51
5/8" Low-E2+ ^{SC}	3.45	0.29	0.21	0.40
5/8" HP Glass	3.33	0.30	0.28	0.52
5/8" HP ^{SC} Glass	3.45	0.29	0.21	0.41
5/8" HP2+ Glass	3.85	0.26	0.27	0.51
5/8" HP2+ ^{SC} Glass	3.85	0.26	0.21	0.40

100 CASEMENT				
R Value	NFRC CERTIFIED			
	U Factor	SHGC	VT	
WITH WARM EDGE				
3/4" Clear	2.22	0.45	0.54	0.56
3/4" Low-E	3.03	0.33	0.25	0.47
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
3/4" HP Glass	3.33	0.30	0.25	0.47
3/4" HP ^{SC} Glass	3.33	0.30	0.19	0.37
3/4" HP2+ Glass	3.70	0.27	0.24	0.46
3/4" HP2+ ^{SC} Glass	3.70	0.27	0.19	0.36
WITH WARM EDGE+				
3/4" Low-E	3.13	0.32	0.25	0.47
3/4" Low-E ^{SC}	3.23	0.31	0.20	0.37
3/4" Low-E2+	3.57	0.28	0.25	0.46
3/4" Low-E2+ ^{SC}	3.57	0.28	0.19	0.36
3/4" HP Glass	3.45	0.29	0.25	0.47
3/4" HP ^{SC} Glass	3.57	0.28	0.19	0.37
3/4" HP2+ Glass	3.85	0.26	0.24	0.46
3/4" HP2+ ^{SC} Glass	4.00	0.25	0.19	0.36

100 AWNING				
R Value	NFRC CERTIFIED			
	U Factor	SHGC	VT	
WITH WARM EDGE				
3/4" Clear	2.22	0.45	0.53	0.55
3/4" Low-E	3.03	0.33	0.25	0.47
3/4" Low-E ^{SC}	3.03	0.33	0.19	0.37
3/4" Low-E2	3.45	0.29	0.24	0.45
3/4" Low-E2 ^{SC}	3.45	0.29	0.19	0.36
3/4" HP Glass	3.33	0.30	0.25	0.47
3/4" HP ^{SC} Glass	3.45	0.29	0.19	0.37
3/4" HP2+ Glass	3.70	0.27	0.24	0.45
3/4" HP2+ ^{SC} Glass	3.70	0.27	0.18	0.36
WITH WARM EDGE+				
3/4" Low-E	3.13	0.32	0.25	0.47
3/4" Low-E ^{SC}	3.23	0.31	0.19	0.37
3/4" Low-E2+	3.57	0.28	0.24	0.45
3/4" Low-E2+ ^{SC}	3.57	0.28	0.19	0.36
3/4" HP Glass	3.45	0.29	0.25	0.47
3/4" HP ^{SC} Glass	3.57	0.28	0.19	0.37
3/4" HP2+ Glass	3.85	0.26	0.24	0.45
3/4" HP2+ ^{SC} Glass	3.85	0.26	0.18	0.36

NOTE:
 Low-E^{SC} = Solar cooling optimized Low-E
 HP = Combines Low-E and argon gas fill for high performance
 HP^{SC} = Combines solar cooling optimized Low-E and argon gas fill for enhanced performance
 Warm Edge+ = High performance Warm Edge+ spacer system

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

GRILLE STYLE OPTIONS



5/8" Flat GBG



7/8" Flat GBG



5/8" Sculptured GBG



1" Contoured GBG



7/8" SDL



1" SDL

BALANCE OPTION

Upgrade to our convenient Easy-Tilt balance system with its one touch tilt latch operation making tilting in of sash effortless.

COLOR OPTIONS

WHITE
(INTERIOR/
EXTERIOR)

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



BUILDER SERIES 100 HARDWARE OPTIONS

Hardware and Finish Options for 100 French Sliding and Center Hinged Patio Doors

Door Handle Color Options for 100 Sliding Patio Doors



OIL RUBBED
(EXTERIOR SLIDING
DOOR HANDLE
SHOWN)



SATIN NICKEL
(EXTERIOR HINGED
DOOR HANDLE
SHOWN)



BRIGHT BRASS
(INTERIOR SLIDING
DOOR HANDLE
SHOWN)



ANTIQUÉ BRASS
(EXTERIOR HINGED
DOOR HANDLE
SHOWN)



WHITE



SANDALWOOD



OIL-RUBBED BRONZE

* Handles shown with keyed lock option.

GRILLE STYLE OPTIONS



5/8" Flat GBG



7/8" Flat GBG



5/8" Sculptured GBG



5/8" Removable Grilles¹



7/8" Removable Grilles



1 1/16" Removable Grilles

1. Noted grille style is only available on Builder Series 100 windows.

EXTERIOR CASING OPTIONS



180 Brick Mould



3 1/4" Williamsburg



3 1/2" Flat
(also in 5 1/2")



Standard Sill Nose

COLOR OPTIONS

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





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For more information, call 888-9PLYGEM.