Ply Gem® WINDOWS & DOORS

WEST VINYL

NEW CONSTRUCTION / REPLACEMENT

A NEW POINT OF VIEW

WEST VINYL

NEW CONSTRUCTION/REPLACEMENT

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LOOKS THAT LAST. STYLES THAT STAND OUT.

WHEN IT COMES TO WINDOWS, **WE LEAD THE WAY.**

As the #1 manufacturer of windows in North America, you'll see more than 75 years of craftsmanship, innovation and dedication in every Ply Gem window and door.

Ply Gem® WINDOWS & DOORS

Trusted by professionals and homeowners alike, we deliver windows and doors that easily install and provide years of comfort, energy efficiency and protection from the elements. Whether you're building a home or reimagining one, we have the window and door styles with advanced features to help bring your vision to life.

#1 WINDOW MANUFACTURER

IN NORTH AMERICA

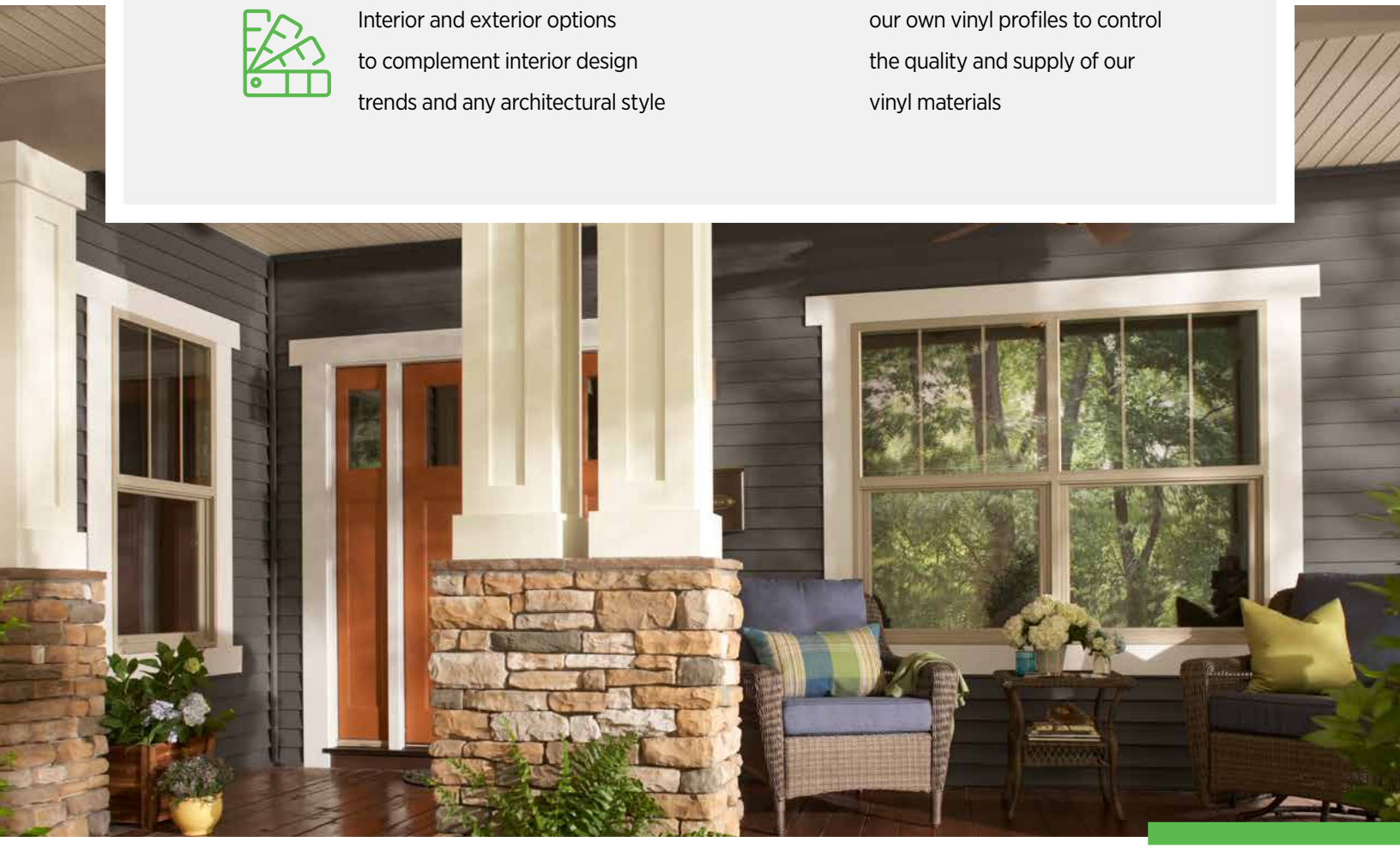
Backed by industry-leading warranties, all products are designed and tested for strength, durability, energy efficiency and overall performance

A wide selection of window and door styles and configurations for any home and budget

Interior and exterior options to complement interior design trends and any architectural style

Innovative energy-efficient glass package options for the energy performance, comfort and weather resistance needs and requirements of the western United States

Vertically integrated operations and supply chain ensure quality and efficiency. We manufacture our own vinyl profiles to control the quality and supply of our vinyl materials



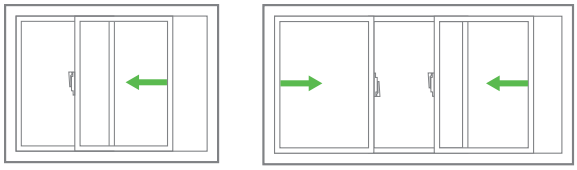
SLIDING WINDOW

Sliding Window

For an unobstructed view of the world, look no farther than our eye-catching, energy-efficient, maintenance-free and secure sliding windows. These solidly built and dependable windows slide open like a dream yet seal tightly to keep out the cold and heat.

FEATURES

- Standard heavy-duty adjustable acetal rollers for smooth operation while adding strength for triple pane windows
- Secondary sash stop allows window to open partially for secure ventilation
- Standard baffled weep hole covers resist weather and bugs
- Anti-lift blocks mechanically fastened to prevent unwanted sash removal
- Reinforced meeting rail for added strength and security



Choose from a 2-lite slider, or a 3-lite slider window that features a large picture window with operable end vents.

SINGLE HUNG

Single Hung

Bring your rooms to life with our attractive single hung windows, which blend the charm of yesterday with the high-tech innovation performance of today. They will brighten your spaces with timeless beauty and deliver the durability and the latest in energy-efficient features you'll appreciate every day.

FEATURES

- Block and tackle sash balances for easy and smooth operation
- Lock options meet or exceed strict forced entry code requirements
- Low point high-pressure baffled weep system for efficient water drainage
- Corrosion resistant fasteners and hardware for lifelong durability

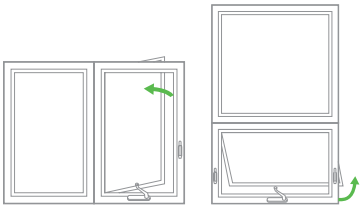
Available in twin, triple and quad window combinations.

Casement & Awning

Bring fresh air to out-of-the-way spaces with our casement and awning windows. Sash opens fully for maximum fresh air through an interior screen. Customize your window configuration with picture windows to create a unique look.

FEATURES

- Folding nested handle hardware for sleek appearance and minimizing interference with window treatments
- Stainless steel hardware and fasteners standard for added strength and longevity
- Double-row bulb compression weather-stripping for tight seal and increased efficiency
- Integral structural mulls provide durability and reinforcement to casement and awning combination units



Casement Awning

Color-matched hardware coordinates with and complements interior home décor.

Sleek fold-down and nesting hardware

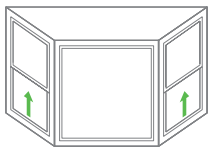
Multi-point sash lock

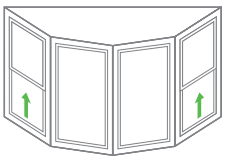
Bay Window

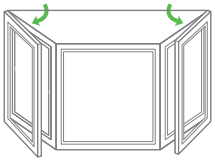
Bow Window

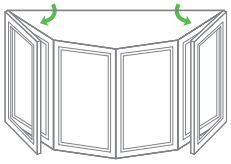
Bay & Bow Windows

Bay windows feature a picture window center flanked by two single hung windows or casement windows. Bow windows combine 3, 4 or 5 window configurations at 10° or 15° angles for a more rounded look. Select single hung, casement, picture windows or combine styles to create your bow window. Optional head and seatboard in birch can be stained or painted to match your interior décor.


Single Hung Bay

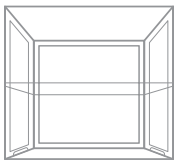

Single Hung Bow


Casement Bay


Casement Bow

Garden Windows

You don't need 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.



Garden Window

EXTERNAL KNEE BRACES

- Provides exterior support for bay, bow and garden windows*
- Available in white, sand and clay
- Knee braces are pre-finished to be maintenance free

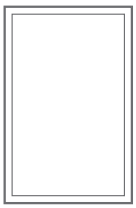
*Additional knee braces and cable system are required for bay, bow and garden window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bay, bow or garden window will void the warranty.

Full Round Window

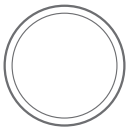
Extended Eyebrow

Picture Windows & Architectural Shapes

Architectural windows (also known as geometric windows) come in a variety of arched, radius and linear shapes that add visual character to any home's architecture. Ideal for small areas or combine with other windows for a large configuration, geometric windows increase illumination and curb appeal. Select shape windows are also available in operable styles.


Picture Window

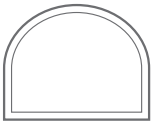
Picture Window

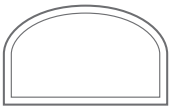

Full Round

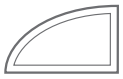
Quarter Round

Extended Quarter Round

Eyebrow


Extended Half Round


Extended Eyebrow


Quarter Eyebrow

Extended Quarter Eyebrow

Half Round

Gothic Eyebrow

Extended Gothic

Octagon

Extended Octagon

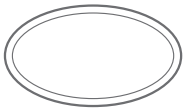
Ellipse

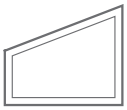
Pentagon

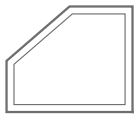
Pentagon Equilateral

Hexagon

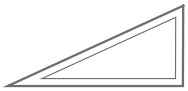
Extended Hexagon


Full Oval


Trapezoid Left or Right


Clipped Trapezoid

Isosceles Triangle


Right Angle Triangle

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

Sliding Patio Door

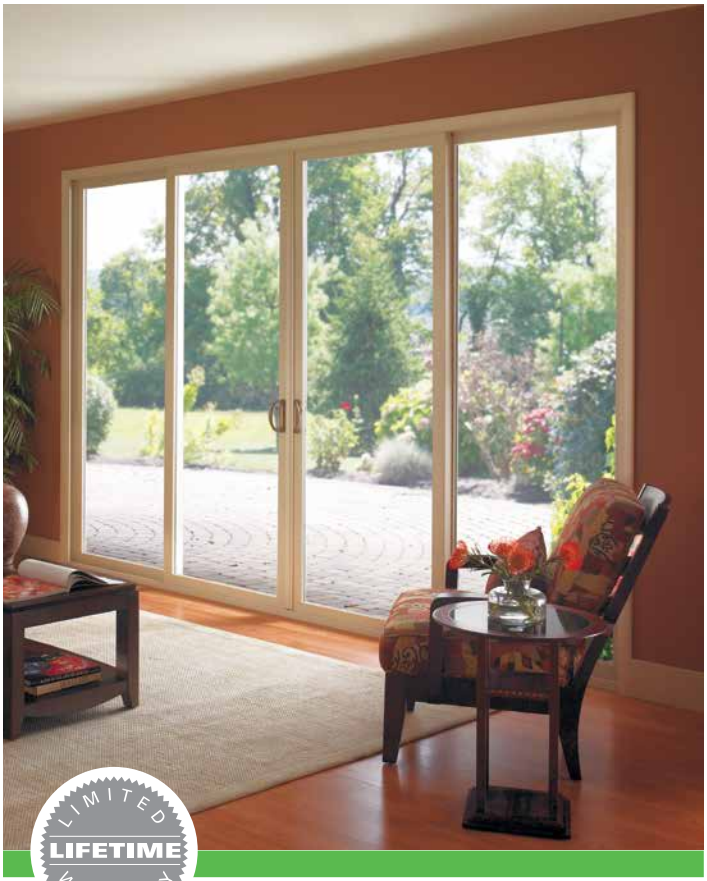
French
Sliding Patio Door

Sliding/French Sliding Patio Door

Our reliable, sliding patio door opens up a home to outdoor living and more daylight. Available in multiple styles including French and Bi-Parting, these maintenance free and weather resistant doors are as attractive as they are efficient.

FEATURES

- Multi-point lock for security
- Optional deadbolt and head bolt for additional security
- Stainless-steel rollers available for long lasting durability and smooth operation
- Aluminum threshold cover on 960 Series for strength and durability for years to come

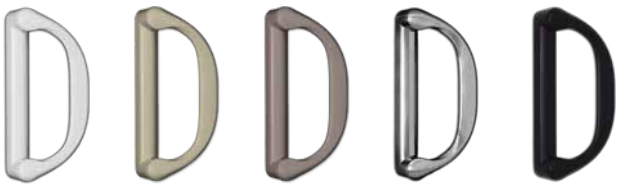


Standard color-coordinated exterior handle

Standard color-coordinated interior handle

HARDWARE FINISHES

Standard color-coordinated interior/exterior hardware perfectly complement Sliding and French Sliding Patio Doors. Optional interior hardware in stylish metal finishes adds a unique touch to your décor.



WHITE | SAND | CLAY | SATIN NICKEL | OIL-RUBBED BRONZE

HINGED PATIO DOOR

Inswing Hinged Patio Door

Outswing Hinged Patio Door

Hinged Patio Door

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

FEATURES

- Heavy-duty two-way adjustable hinges ensure proper door alignment
- Independent shoot bolts per panel for additional security
- Anodized aluminum threshold cover for durability
- High-end European hardware available for keyed lock
- Fixed and operable sidelite option for maximum daylighting and ventilation

HARDWARE FINISHES

Standard color-coordinated interior/exterior hardware perfectly complement Hinged Patio Doors. Optional interior/exterior hardware in stylish metal finishes adds a unique touch to your décor.

White hardware is default on hinged patio doors that are all white (interior & exterior). Rustic umber hardware is default on all other interior/exterior color combinations.

Exterior/Interior Color Options

VINYL COLOR OPTIONS

WHITE EXT & INT

SAND EXT & INT

CLAY EXT & INT

PAINTED EXTERIOR COLOR OPTIONS

BRONZE EXT

BLACK EXT

SILVER EXT

All painted exterior colors available with a white, sand or clay interior color

COEXTRUDED EXTERIOR COLOR OPTIONS

AVAILABLE FOR WINDOWS ONLY

BRONZE EXT / WHITE INT

BLACK EXT / WHITE INT

Geographically limited availability. Consult with your Ply Gem Windows & Doors representative.

Colors are reproduced as accurately as printer technology allows. Consult with your Ply Gem representative for actual samples.

COEXTRUSION TECHNOLOGY

Coextruded dark exterior colors for our vinyl windows have been formulated to meet the design and performance needs of the western United States. The coextrusion process molds the vinyl dark color and white color material together as the profile is created. This means the color is integral to the window and not an applied coating on the exterior surface. This durable, high performance color option is backed by a 15-year warranty.

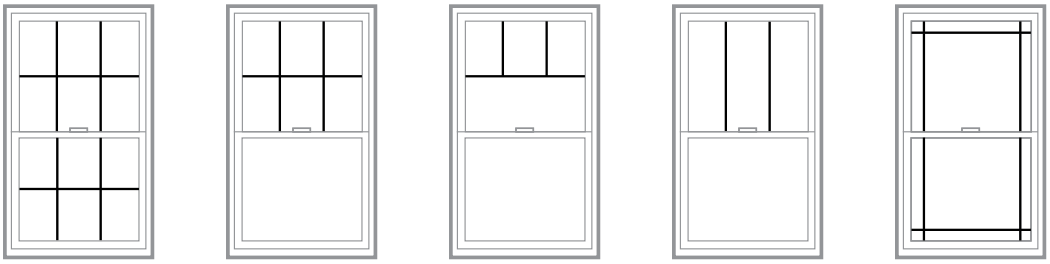
Grille Options

GRILLE PROFILES

GBG = Grilles-between-the-glass SDL = Simulated-divided-lites * SDL not available for garden windows

5/8″ Flat GBG | 5/8″ Sculptured GBG | 1″ Sculptured GBG | 7/8″ SDL* | 1 1/4″ SDL*

SELECTION OF POPULAR GRILLE PATTERNS



Colonial | Half Colonial | Plaza | Three over One | Perimeter Prairie

ADDITIONAL GRILLE PATTERNS AVAILABLE

Consult with your Ply Gem Windows & Door sales representative or visit plygem.com/windows for more details.

Window Lock Options

Color-matched single hung and sliding window hardware will coordinate with and complement your home décor. Cam action sash lock is standard or upgrade to AUTOLOCK which locks automatically when sash is closed.

CAM ACTION SASH LOCK

White | Sand | Clay

Standard dual cam-action sash lock provides security.

AUTOLOCK SASH LOCK

White | Sand | Clay

Optional AUTOLOCK locks automatically when unit is closed

Custom Sizing

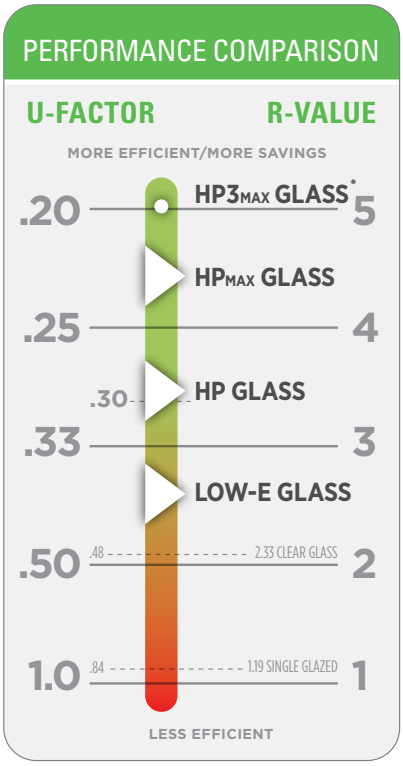
Ply Gem windows and patio doors can be ordered in 1/8 inch increments for any application providing a perfect fit every time. Custom sizing minimizes installation time and special trimming requirements.

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
- Tempered[2]
- Laminated *(security)*
- Sound Package *(off-set glass)*

* Low-E2*MAX*, Low-E3*MAX*, HP2*MAX* and HP3*MAX* are not available on all products. Consult with your Ply Gem Windows & Doors representative for a full list of glass thickness options and ratings.

1. Consult with your Ply Gem Windows & Doors representative for a complete list of tinted glass types.
2. Tempered glass standard on patio doors.



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 & Doors glass package options, not including energy package upgrade.

*Ply Gem Windows & Doors HP3*MAX* glass products meet or exceed a U-Factor of 0.20 on fixed units & 0.22 on operating units.

Glass Packages

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 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.

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.

TITLE 24

Most Ply Gem windows and doors in the west can be configured to meet or exceed the California Energy Commission's standards for Title 24 compliance. Consult with your Ply Gem Windows & Doors representative for more information.

Obscure Glass Pattern Options

Clear Crossreed

Delta Frost

Flemish

Gluechip

Narrow Reed

Obscure

Rain

Satin Etched

Glossary

PERFORMANCE GRADE RATED

Ply Gem windows and patio doors 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 and doors available nationwide.

WARM EDGE TECHNOLOGY

Standard Warm Edge glass spacer system within Ply Gem windows and patio doors 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 product.

WARM EDGE+ TECHNOLOGY

Optional Warm Edge+ 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.

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 and patio doors 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.

ENERGY STAR®

Ply Gem West Vinyl 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.

Ply Gem® WINDOWS & DOORS

WINDOW: PRODUCT TYPE / SERIES	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES
FRAME TYPE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Frame Depth	3-7/16"	2-5/8"	3-7/16"	2-5/8"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	2-5/8"	varies
1" Nailing Fin	■		■		■	■	■	■	■	■		■
1" Nailing Fin with J-Channel	■	■	■	■								■
1" Nailing Fin with Stucco Key	■	■	■	■								■
1-3/8" Nailing Fin	■	■	■	■	■	■	■	■	■	■		■
1-3/8" Nailing Fin with Stucco Key	■	■	■	■								■
Single-wall Flush Flange	■	■	■	■	■	■						■
Dual-wall Flush Flange	■		■		■	■						■
Block Frame	■	■	■	■	■	■	■	■	■	■		■
Flush Fin											■	
FRAME DIMENSIONS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Maximum Width	96"	72"	48"	48"	36"	60"*	96"	120"	72"	84"	72"	varies
Maximum Height	72"	60"	84"	72"	72"	36"	72"	72"	84"	84"	48"	varies
COLOR EXTERIOR / INTERIOR	200	400	200	400	700	700	200	700	200	700	400	SHAPES
White/White	■	■	■	■	■	■	■	■	■	■	■	■
Sand/Sand	■	■	■	■	■	■	■	■	■	■	■	■
Clay/Clay	■	■	■	■	■	■	■	■	■	■	■	■
Coextruded Bronze/White	■		■		■	■						■
Coextruded Black/White	■		■		■	■						■
Painted Silver/White	■	■	■	■	■	■	■	■	■	■		■
Painted Bronze/White	■	■	■	■	■	■	■	■	■	■		■
Painted Black/White	■	■	■	■	■	■	■	■	■	■		■
GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Low-E											■	
Low-E^{SC}											■	
Low-E^{PS}	■	■	■	■	■	■	■	■	■	■		■
Low-E2+^{PS}	■	■	■	■	■	■	■	■	■	■		■
Low-E High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
Low-E^{SC} High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
HP	■	■	■	■	■	■	■	■	■	■	■	■
HP^{SC}	■	■	■	■	■	■	■	■	■	■	■	■
HP^{PS}		■	■	■	■	■	■	■	■	■		■
HP2+	■	■	■	■	■	■	■	■	■	■		■
HP2+^{PS}		■	■	■	■	■	■	■	■	■		■
HP2$_{Max}$	■		■		■	■	■	■	■	■		■
HP3$_{Max}$	■		■		■	■	■	■	■	■		■
Title 24 Compliance Option	■	■	■	■	■	■	■	■	■	■	■	■
PATTERN GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Clear Crossreed	■	■	■	■	■	■	■	■	■	■		■
Delta Frost	■	■	■	■	■	■	■	■	■	■	■	■
Flemish	■	■	■	■	■	■	■	■	■	■	■	■
Gluechip	■	■	■	■	■	■	■	■	■	■	■	■
Narrow Reed	■	■	■	■	■	■	■	■	■	■	■	■
Obscure	■	■	■	■	■	■	■	■	■	■	■	■
Rain	■	■	■	■	■	■	■	■	■	■	■	■
Satin Etched	■	■	■	■	■	■	■	■	■	■		■
GRILLE TYPES	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Grilles Between Glass (GBG)												
5/8" Flat GBG	■	■	■	■	■	■	■	■	■	■		■
5/8" Sculptured GBG	■		■		■	■	■	■	■	■		■
1" Sculptured GBG	■		■		■	■	■	■	■	■		■
Simulated Divided Lite (SDL)												
7/8" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
1-1/4" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar	■		■		■	■	■	■	■	■		
GRILLE PATTERNS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Colonial	■	■	■	■	■	■	■	■	■	■		■
Prairie	■	■	■	■	■	■	■	■	■	■		■
Double Prairie	■	■	■	■	■	■	■	■	■	■		■
Marginal Prairie	■	■	■	■			■		■			
Perimeter Prairie							■	■	■	■		
Plaza	■	■	■	■	■	■	■	■	■	■		
Fractional	■	■	■	■	■	■	■	■	■	■		■
HARDWARE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Cam Action Sash Lock	■	■	■	■			■	■	■	■	■	■
AUTOLOCK	■	■	■	■			■	■	■	■	■	■
	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES

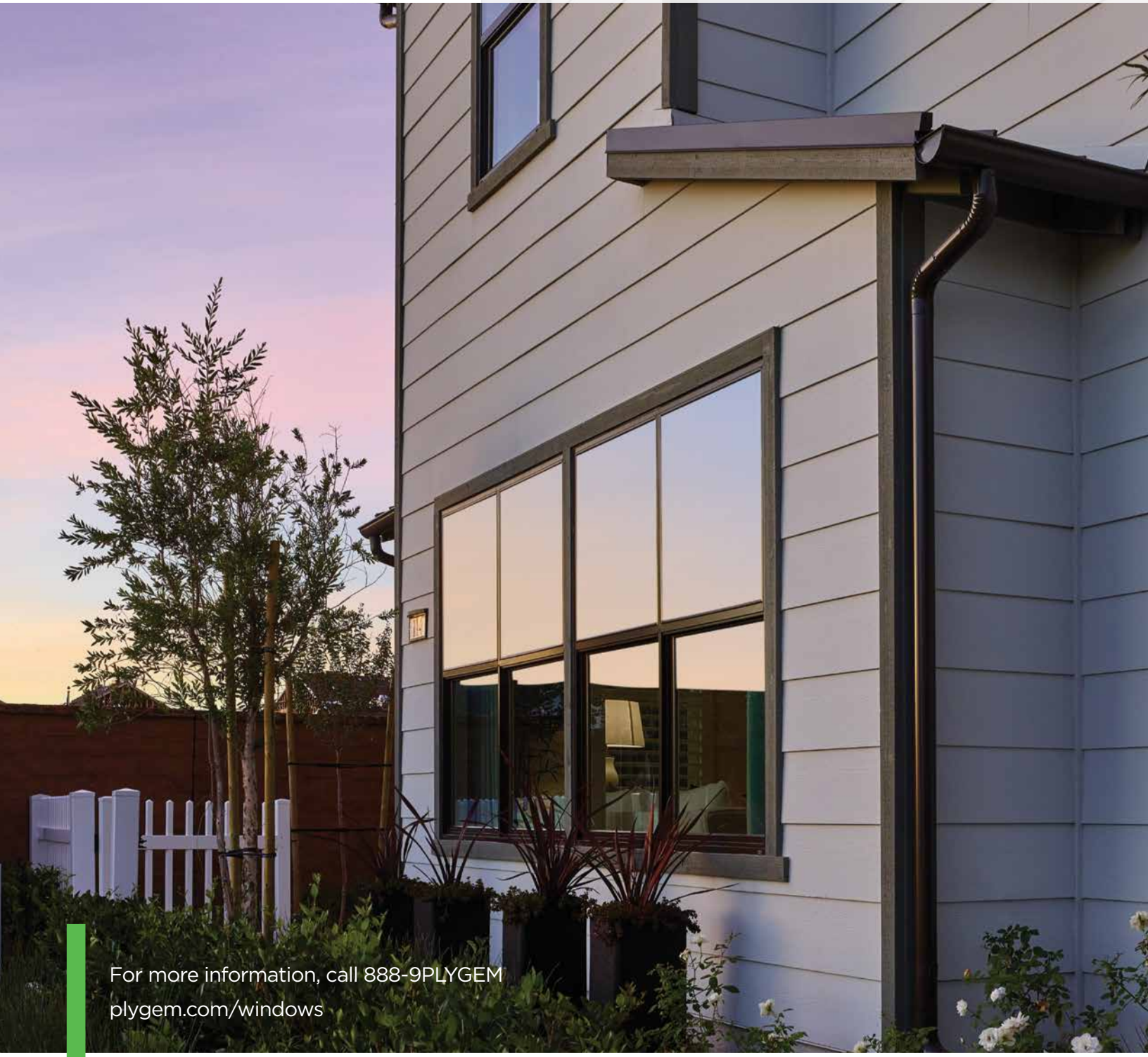
* 12 sq ft max

PATIO DOOR: PRODUCT TYPE / SERIES	SLIDING		FRENCH SLIDING	INSWING/OUTSWING HINGED
FRAME TYPES	460	960	970	960
Frame Depth:	4-1/4"	4-3/8"	4-3/8"	4-3/16"
1-3/16" Nailing Fin	■			
1-3/16" Nailing Fin with J-Channel	■			
1-3/8" Nailing Fin		■	■	
1-3/8" Nailing Fin with J-Channel		■	■	
Dual-wall Flush Flange		■	■	■
Flashing Fin				■
No Fin	■	■	■	■
FRAME DIMENSIONS	460	960	970	960
Maximum Width	6' 0"	16' 0"	16' 0"	6' 0"
Maximum Height	6' 10"	8' 0"	8' 0"	8' 0"
PANELS	460	960	970	960
2-panel	■	■	■	■
3-panel		■	■	■ w/sidelight
4-panel		■	■	■ w/sidelight
COLOR EXTERIOR / INTERIOR	460	960	970	960
White/White	■	■	■	■
Sand/Sand	■	■	■	■
Clay/Clay	■	■	■	■
Painted Silver/White	■	■	■	■
Painted Bronze/White	■	■	■	■
Painted Black/White	■	■	■	■
GLASS	460	960	970	960
Low-E High Altitude	■	■	■	■
Low-E^{SC} High Altitude	■	■	■	■
HP	■	■	■	■
HP^{SC}	■	■	■	■
HP2+		■		
HP2$_{Max}$		■		■
HP3$_{Max}$		■		
Title 24 Compliance Option	■	■	■	■
PATTERN GLASS	460	960	970	960
Delta Frost	■	■	■	■
Flemish	■	■	■	■
Gluechip	■	■	■	■
Narrow Reed	■	■	■	■
Obscure	■	■	■	■
Rain	■	■	■	■
Satin Etched		■	■	■
GRILLE TYPES	460	960	970	960
Grilles Between Glass (GBG)				
5/8" Flat	■	■	■	■
5/8" Sculptured		■	■	■
1" Sculptured		■	■	■
Simulated Divided Lite (SDL)				
7/8" SDL with Shadow Bar		■	■	■
1-1/4" SDL with Shadow Bar		■	■	■
2" SDL with Shadow Bar		■	■	■
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar		■	■	■
GRILLE PATTERNS	460	960	970	960
Colonial	■	■	■	■
Prairie	■	■	■	■
Double Prairie	■	■	■	■
Marginal Prairie	■	■	■	■
Plaza	■	■	■	■
Fractional	■	■	■	■
HARDWARE	460	960	970	960
Stainless Steel Hardware	■	■	■	
Handle Color Finishes				
Color Matched Exterior/Interior	■	■	■	■
Exterior/Interior Metal Finishes				■
Interior Metal Finishes Only	■	■	■	
Lock Type				
2-Point Lock	■	■	■	
4-Point Lock		■	■	
Multi-point Lock				■
Keyed Options				
Not Keyed	■	■	■	
Keyed Differently	■	■	■	■
Keyed Alike	■	■	■	■
Patio Door Rollers				
Cad/Zinc Rollers	■	■	■	n/a
Stainless Steel Rollers	■	■	■	n/a
	SLIDING		FRENCH SLIDING	INSWING/OUTSWING HINGED

Ply Gem®
WINDOWS & DOORS

WEST VINYL

NEW CONSTRUCTION / REPLACEMENT



For more information, call 888-9PLYGEM
plygem.com/windows

MADE IN USA

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