

CONTRACTOR SERIES

REPLACEMENT WINDOWS

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ICON GLOSSARY

Below is a glossary of our icons that you will see throughout the Ply Gem Windows Replacement brochures. These icons identify features and benefits for each window so you can easily understand what is available to you with each style.



CUSTOM SIZING

Ply Gem Contractor Series Replacement windows can be ordered in 1/8 inch increments to accommodate any replacement application providing a perfect fit and minimizing installation time and special trimming requirements.



LOW-E GLASS

Low-E (low emissivity) 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.



LOW-E^{SC} GLASS

Low-E^{SC} (solar cooling) is optimized for warmer climates with two heavier layers of coating 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.



HP GLASS SYSTEM

One lite of soft coat Low-E and argon gas fill. Our HP glass package provides balanced performance in regions with hot summers and cold winters.



HP^{SC} GLASS SYSTEM

One lite of soft coat solar cooling optimized Low-E and argon gas fill. Our HP^{SC} (solar cooling) glass package is for regions with significant glare reduction and cooling requirements.



ENERGY TAX CREDIT

Multiple product styles within the Ply Gem Contractor Series, when combined with an optional HP glass package option and either the standard Warm Edge spacer or the optional Warm Edge+ spacer (see product styles to determine spacer and glass needed to meet Stimulus), meet the requirements for the 2009-2010 Energy Tax Credit. To qualify for the credit, replacement windows and/or patio doors must have both a U-Factor rating of .30 or lower and a Solar Heat Gain Coefficient (SHGC) rating of .30 or lower. This credit is valid on products purchased and installed between January 1, 2009, and December 31, 2010.



SIL LOCK

Contractor 2000 Series windows with SilLock are built with a sloped sill which forces water to drain to the exterior of the window, keeping your windows dry. This unique design also ensures a tight weatherstrip contact at the sill.



WARM EDGE TECHNOLOGY

Our standard Warm Edge glass spacer system within Ply Gem Contractor Series Replacement windows reduces thermal transfer around the glass perimeter by utilizing a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold. Warm Edge is one continuous piece creating a stronger, more energy-efficient insulated glass unit. Plus it flexes with glass expansion and contraction to ensure a strong seal for the life of the window.



WARM EDGE+ TECHNOLOGY

Our 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.



NEW GENERATION VINYL

Wood or metal windows can stick when they swell or deteriorate from corrosion. New Generation Vinyl withstands harsh weather and wear-and-tear better. Ply Gem Contractor Series Replacement windows are constructed with rugged, maintenance-free New Generation uPVC. Its low conductivity and high energy-efficiency properties are ideal for Ply Gem's advanced window construction. And because vinyl's base color is solid through-and-through, you'll never need to paint or stain these windows.



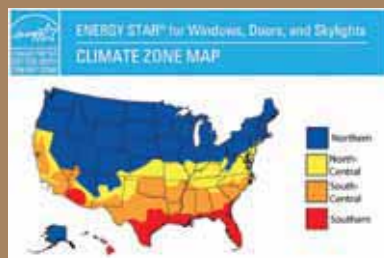
PINCH FUSION WELDING

Ply Gem Contractor Series Replacement windows are entirely fusion welded – sashes and mainframes – to create a solid, one-piece unit that maintains its strength over the years. Our state-of-the-art fusion process ensures frame and sash corners won't have the excess variance found with other welding techniques.



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

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



Ply Gem Replacement Contractor 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.



OVERALL FEATURES

- 1 Pinch fusion-welding construction creates a solid, one-piece unit with no excess variance for long-term durability
- 2 Warm edge glass spacer system reduces thermal transfer around the glass perimeter by using a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold; upgrade to Warm Edge+ for enhanced performance
- 3 Available in Low-E, Low-E^{SC}, HP (Low-E/argon) and HP^{SC} (Low-E^{SC}/argon) options
- 4 All product styles can be configured to meet ENERGY STAR[®] in all states; products with the optional HP glass package meet the Stimulus tax credit requirements when used with the appropriate Warm Edge/Warm Edge+ spacer system
- 5 NFRC rated and certified
- 6 3 1/4" frame depth for traditional pocket window installation
- 7 Designed with equal sight line sash on double hung for traditional wood window appearance
- 8 New Generation uPVC vinyl never needs painting or caulking and resists conducting heat and cold
- 9 Hidden SilLock design with a sloped sill, eliminating the need for weep holes, forces water to drain to the exterior of the window, keeping your windows dry and providing enhanced weather-tight performance



A



Warm edge spacer (standard)

B



Sleek cam-action sash locks on double hung and sliding windows provide security and performance without compromising beauty

C



Pinch fusion welding



2000 DOUBLE HUNG WINDOW

2000 DOUBLE HUNG WINDOWS. Open up a world of opportunities with our double hung windows. They're easy to operate, easy to clean and provide customers with the energy efficiency and durability they want. Configurations include singles, stationary and combinations and a wide variety of architectural shapes.

2000 DOUBLE HUNG WINDOW



FEATURES

- Maintenance-free multi-chamber PVC construction with fusion welded sash and frame
- Sleek cam-action sash locks provide security and enhanced performance without compromising beauty
- 7/8" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{sc}, HP or HP^{sc} glass system upgrades offer even better energy efficiency
- 3 1/4" frame depth for traditional pocket window installation
- Designed with equal sight line sash for traditional wood window appearance
- Both sash tilt in and are removable for easy and safe cleaning
- Locking pivot bar and shoe assembly in upper sash and jamb jacks at meeting rail help ensure a square installation and enhances energy efficiency
- Integral interlock system provides protection against air infiltration and makes window more secure
- Double weatherstripped sash provides extra protection against dust, dirt and noise
- Integral lift handles makes opening windows easier
- Extruded aluminum half screen with fiberglass mesh standard; full screen optional
- Tested and approved to meet NFRC requirements, ENERGY STAR® units available
- Interior and exterior accessory groove allowing for a wide selection of installation options
- Two ventilation limit latches standard, child safety latches optional
- Hidden SilLock design with a sloped sill, eliminating the need for weep holes, forces water to drain to the exterior of the window, keeping your windows dry and providing enhanced weather-tight performance

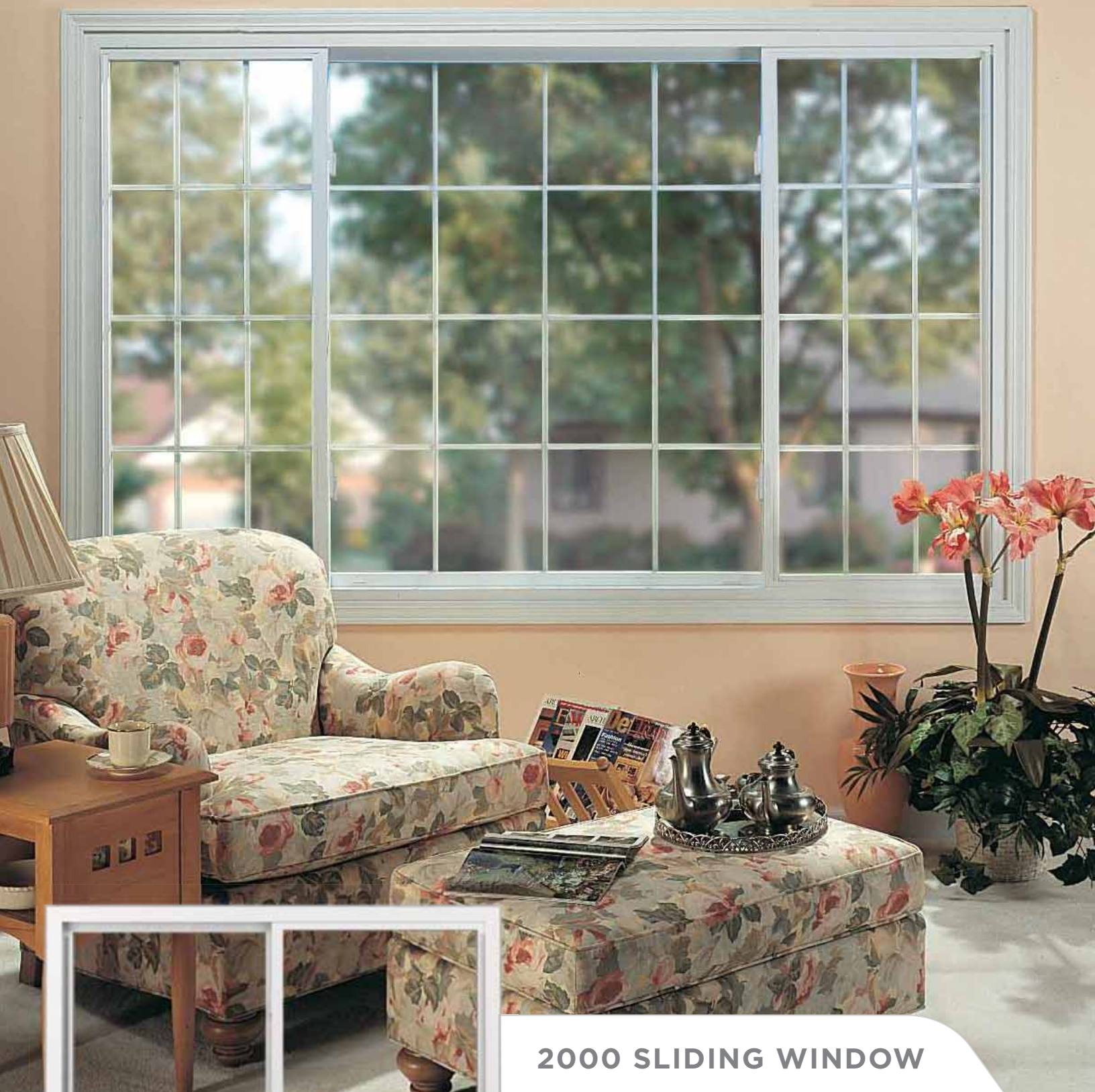


NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.22	0.45	0.58	0.60	2.22	0.45	0.52	0.54
Low-E Glass	3.13	0.32	0.27	0.51	3.13	0.32	0.25	0.46
Low-E ^{sc} Glass	3.13	0.32	0.21	0.40	3.13	0.32	0.19	0.36
HP Glass	3.23	0.31	0.27	0.51	3.23	0.31	0.24	0.46
HP ^{sc} Glass	3.45	0.29	0.21	0.40	3.45	0.29	0.19	0.36
WARM EDGE+								
Low-E Glass	3.13	0.32	0.27	0.51	3.13	0.32	0.25	0.46
Low-E ^{sc} Glass	3.13	0.32	0.21	0.40	3.13	0.32	0.19	0.36
HP Glass	3.33	0.30	0.27	0.51	3.33	0.30	0.24	0.46
HP ^{sc} Glass	3.57	0.28	0.21	0.40	3.57	0.28	0.19	0.36

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{sc} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{sc} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 7/8" IGU, 3mm with and without grilles as noted in the chart.



2000 SLIDING WINDOW

2000 SLIDING WINDOWS. Our sliding windows are some pretty smooth operators. Designed with a track and roller system that makes opening and closing easy, these windows perform just as good as they look. Available in two different picture configurations ($\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$ or $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$).



FEATURES

- Maintenance-free multi-chamber PVC construction with fusion welded sash and frame
- 3 1/4" frame depth for traditional pocket window installation
- 7/8" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- Convenient lift-out sash for easy cleaning
- Track and adjustable roller system for ease of operation
- Sleek cam-action sash locks provide security and enhanced performance without compromising beauty
- Double-opposed weatherstrip on sash ensures smooth operation
- Extruded aluminum half screen with fiberglass mesh
- Tested and approved to meet NFRC requirements, ENERGY STAR® units available
- Interior and exterior accessory grooves providing a wide selection of installation options
- One ventilation limit latch standard or child safety latch optional at bottom rail



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
	WARM EDGE							
Clear Glass	2.13	0.47	0.58	0.60	2.13	0.47	0.52	0.54
Low-E Glass	2.94	0.34	0.27	0.51	2.94	0.34	0.24	0.45
Low-E ^{SC} Glass	2.94	0.34	0.21	0.40	2.94	0.34	0.19	0.36
HP Glass	3.23	0.31	0.27	0.51	3.23	0.31	0.24	0.45
HP ^{SC} Glass	3.23	0.31	0.20	0.40	3.23	0.31	0.18	0.36
	WARM EDGE+							
Low-E Glass	2.94	0.34	0.27	0.51	2.94	0.34	0.24	0.45
Low-E ^{SC} Glass	3.03	0.33	0.21	0.40	3.03	0.33	0.19	0.36
HP Glass	3.33	0.30	0.27	0.51	3.33	0.30	0.24	0.45
HP ^{SC} Glass	3.33	0.30	0.20	0.40	3.33	0.30	0.18	0.36

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 7/8" IGU, 3mm with and without grilles as noted in the chart.



5100 CASEMENT & AWNING WINDOW

5100 CASEMENT & AWNING WINDOWS. Our casement and awning windows are a breath of fresh air. With a sash that opens 90°, your customers will enjoy great ventilation and will be able to clean them with ease. Plus, our awning windows can be combined, mullied and stacked with fixed casement picture windows. Configurations include singles, stationary and factory mullied twins and triples.

5100 CASEMENT & AWNING WINDOW



3 1/4"
FRAME DEPTH

FEATURES

- Maintenance-free multi-chamber PVC construction with fusion welded sash and frame
- 7/8" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- 3 1/4" frame depth for traditional pocket window installation
- Interior and exterior accessory grooves providing a wide selection of installation options
- Available right or left hand operating
- Sash opens 90° for ventilation and easy cleaning
- Single handle multi-point locking system
- Awning windows can be combined / mulled / stacked with fixed casement picture windows
- Adjustable hinges
- Full screen with fiberglass mesh
- Tested and approved to meet NFRC requirements, ENERGY STAR® units available



NOTE: This product manufactured in our Toledo, OH facility only.



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.33	0.43	0.54	0.56	2.33	0.43	0.49	0.51
Low-E Glass	3.13	0.32	0.25	0.47	3.13	0.32	0.23	0.43
Low-E ^{SC} Glass	3.13	0.32	0.19	0.37	3.13	0.32	0.18	0.34
HP Glass	3.45	0.29	0.25	0.47	3.45	0.29	0.23	0.43
HP ^{SC} Glass	3.45	0.29	0.19	0.37	3.45	0.29	0.18	0.34
WARM EDGE+								
Low-E Glass	3.33	0.30	0.25	0.47	3.33	0.30	0.23	0.43
Low-E ^{SC} Glass	3.33	0.30	0.19	0.37	3.33	0.30	0.18	0.34
HP Glass	3.70	0.27	0.25	0.47	3.70	0.27	0.23	0.43
HP ^{SC} Glass	3.70	0.27	0.19	0.37	3.70	0.27	0.18	0.34

- Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
- HP glass option combines Low-E with argon gas fill for high performance.
- Optional Warm Edge+ upgrade for enhanced performance.
- Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
- HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*Casement shown. Awning performance ratings available at plygemwindows.com. 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: 7/8" IGU, 3mm with and without grilles as noted in the chart.



**2 7/8" OR
OPTIONAL
3 1/4" FRAME DEPTH²**
for traditional
pocket window
installation

OVERALL FEATURES

- 1 Pinch fusion-welding construction creates a solid, one-piece unit with no excess variance for long-term durability
- 2 Warm edge glass spacer system reduces thermal transfer around the glass perimeter by using a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold; upgrade to Warm Edge+ for enhanced performance
- 3 Available in Low-E, Low-E^{SC}, HP (Low-E/argon) and HP^{SC} (Low-E^{SC}/argon) options
- 4 All product styles meet ENERGY STAR[®] in all states, and all products with the HP glass package meet ENERGY STAR in all states and the Stimulus tax credit requirements when used with the appropriate Warm Edge/Warm Edge+ spacer system
- 5 NFRC rated and certified
- 6 Available in a 2 7/8" or 3 1/4" frame depths (double hung, fixed and shapes)
- 7 New Generation uPVC vinyl never needs painting or caulking and resists conducting heat and cold



A



HP glass
(Low-E/argon)

B



Warm edge
spacer (standard)

C



Pinch fusion
welding



1000 SINGLE HUNG WINDOW

1000 SINGLE HUNG WINDOWS. Give your customers the value, style and performance they deserve with our single hung windows. Equipped with all the right features and designed to complement the look of any home, it's the right window at the right price. Configurations include singles, twins, triples, stationary combinations and a wide variety of architectural shapes.

1000 SINGLE HUNG WINDOW



FEATURES

- 1 Maintenance-free multi-chamber PVC construction
- 2 Fully fusion welded sash and frame for superior structural strength
- 3 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- 4 2 7/8" frame depth
- 5 Specially designed weather seals on sash and frame for enhanced energy efficiency and exceptional weather-tight performance
- 6 Bottom sash tilts in for easy and safe cleaning
- 7 Integral mull standard; factory mull optional
- 8 Tested and approved to meet NFRC requirements, ENERGY STAR® units available
- 9 Half screen with fiberglass mesh



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
	WARM EDGE							
Clear Glass	1.59	0.63	0.66	0.66	2.08	0.48	0.57	0.59
Low-E Glass	2.94	0.34	0.30	0.56	2.94	0.34	0.27	0.50
Low-E ^{SC} Glass	2.94	0.34	0.23	0.44	2.94	0.34	0.21	0.39
HP Glass	3.23	0.31	0.30	0.56	3.23	0.31	0.27	0.50
HP ^{SC} Glass	3.23	0.31	0.22	0.44	3.23	0.31	0.20	0.39
WARM EDGE+								
Low-E Glass	3.03	0.33	0.30	0.56	3.03	0.33	0.27	0.50
Low-E ^{SC} Glass	3.03	0.33	0.23	0.44	3.03	0.33	0.21	0.39
HP Glass	3.33	0.30	0.30	0.56	3.33	0.30	0.27	0.50
HP ^{SC} Glass	3.33	0.30	0.22	0.44	3.33	0.30	0.20	0.39

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 3/4" IGU, 3mm with and without grilles as noted in the chart.



1000 DOUBLE HUNG WINDOW

1000 DOUBLE HUNG WINDOWS. Open up a world of opportunities with our double hung windows. They're easy to operate, easy to clean and provide customers with the energy efficiency and durability they want. Configurations include singles, stationary and combinations and a wide variety of architectural shapes.

1000 DOUBLE HUNG WINDOW



FEATURES

- Maintenance-free multi-chamber PVC construction
- Fully fusion welded sash and frame for superior structural strength
- 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- Available in a 2 7/8" or 3 1/4" frame depths (and on matching fixed and shapes)
- Both sash tilt in and are removable for easy and safe cleaning
- Locking pivot bar and shoe assembly in upper sash helps ensure a square installation and enhances energy efficiency
- Integral interlock system provides protection against air infiltration and makes window more secure
- Double weatherstripped sash provides extra protection against dust, dirt and noise
- Integral lift handles makes opening windows easier
- Half screen with fiberglass mesh standard; full screen optional
- Tested and approved to meet NFRC requirements, ENERGY STAR® units available

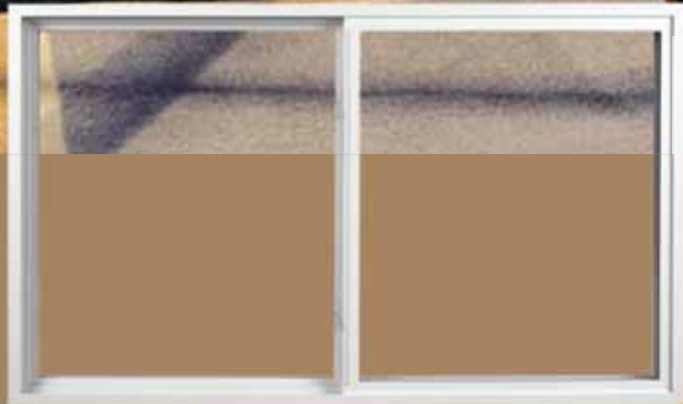


NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.04	0.49	0.62	0.64	2.04	0.49	0.55	0.57
Low-E Glass	2.86	0.35	0.29	0.54	2.86	0.35	0.26	0.49
Low-E ^{SC} Glass	2.94	0.34	0.22	0.43	2.94	0.34	0.20	0.38
HP Glass	3.23	0.31	0.29	0.54	3.23	0.31	0.26	0.49
HP ^{SC} Glass	3.23	0.31	0.22	0.43	3.23	0.31	0.20	0.38
WARM EDGE+								
Low-E Glass	2.94	0.34	0.26	0.54	2.94	0.34	0.26	0.49
Low-E ^{SC} Glass	3.03	0.33	0.22	0.43	3.03	0.33	0.20	0.38
HP Glass	3.33	0.30	0.29	0.54	3.33	0.30	0.26	0.49
HP ^{SC} Glass	3.33	0.30	0.22	0.43	3.33	0.30	0.20	0.38

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 3/4" IGU, 3mm with and without grilles as noted in the chart.



1000 SLIDING WINDOW

1000 SLIDING WINDOWS. Our sliding windows are some pretty smooth operators. Designed with a track and roller system that makes opening and closing easy, these windows perform just as good as they look. Available in two different picture configurations ($\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$ or $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$).

1000 SLIDING WINDOW



FEATURES

- 1 Maintenance-free multi-chamber PVC construction
- 2 Fully welded sash and frame
- 3 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- 4 2 3/4" frame depth
- 5 Convenient lift-out sash for easy cleaning
- 6 Track and roller system for ease of use
- 7 Cam lock design provides security and enhanced performance
- 8 Double-opposed weatherstrip on sash ensures smooth operation
- 9 Half screen with fiberglass mesh
- 10 Tested and approved to meet NFRC requirements, ENERGY STAR® units available

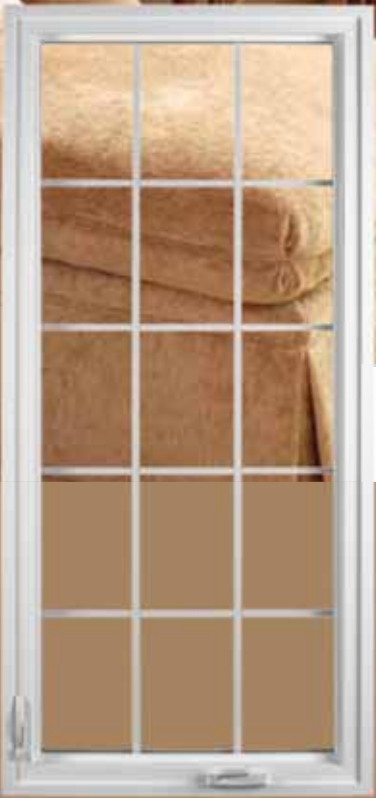


NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.08	0.48	0.63	0.65	1.89	0.53	0.56	0.58
Low-E Glass	2.94	0.34	0.30	0.55	2.78	0.36	0.27	0.49
Low-E ^{SC} Glass	2.94	0.34	0.23	0.43	2.78	0.36	0.21	0.39
HP Glass	3.23	0.31	0.29	0.55	3.13	0.32	0.26	0.49
HP ^{SC} Glass	3.23	0.31	0.22	0.43	3.13	0.32	0.20	0.39
WARM EDGE+								
Low-E Glass	3.03	0.33	0.30	0.55	2.86	0.35	0.27	0.49
Low-E ^{SC} Glass	3.03	0.33	0.23	0.43	2.86	0.35	0.21	0.39
HP Glass	3.33	0.30	0.29	0.55	3.33	0.30	0.26	0.49
HP ^{SC} Glass	3.33	0.30	0.22	0.43	3.33	0.30	0.20	0.39

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 3/4" IGU, 3mm with and without grilles as noted in the chart.



5000 CASEMENT & AWNING WINDOW

5000 CASEMENT & AWNING WINDOWS. Our casement and awning windows are a breath of fresh air. With a sash that opens 90°, your customers will enjoy great ventilation and will be able to clean them with ease. Plus, our awning windows can be combined, mullied and stacked with fixed casement picture windows. Configurations include singles, stationary and factory mullied twins and triples.

5000 CASEMENT & AWNING WINDOW



3 9/16"
FRAME
DEPTH

FEATURES

- Maintenance-free multi-chamber PVC construction with fully welded corner
- 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- Welded corners on frame and sash
- 3 9/16" frame depth
- Interior accessory groove
- Available right or left hand operating
- Sash opens 90° for ventilation and easy cleaning
- Single handle multi-point locking system
- Awning windows can be combined / mullied / stacked with fixed casement picture windows
- Adjustable hinges
- Full screen with fiberglass mesh
- Tested and approved to meet NFRC requirements, ENERGY STAR® units available



NOTE: This product manufactured in our Rocky Mount, VA facility only.



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.33	0.43	0.52	0.54	2.27	0.44	0.48	0.49
Low-E Glass	3.13	0.32	0.25	0.46	3.03	0.33	0.22	0.42
Low-E ^{SC} Glass	3.13	0.32	0.19	0.36	3.03	0.33	0.17	0.33
HP Glass	3.45	0.29	0.24	0.46	3.33	0.30	0.22	0.42
HP ^{SC} Glass	3.45	0.29	0.19	0.36	3.33	0.30	0.17	0.33
WARM EDGE+								
Low-E Glass	3.23	0.31	0.25	0.46	3.13	0.32	0.22	0.42
Low-E ^{SC} Glass	3.23	0.31	0.19	0.36	3.13	0.32	0.17	0.33
HP Glass	3.57	0.28	0.24	0.46	3.45	0.29	0.22	0.42
HP ^{SC} Glass	3.57	0.28	0.19	0.36	3.45	0.29	0.17	0.33

- Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
- HP glass option combines Low-E with argon gas fill for high performance.
- Optional Warm Edge+ upgrade for enhanced performance.
- Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
- HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*Casement shown. Awning performance ratings available at plygemwindows.com. 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: 3/4" IGU, 3mm with and without grilles as noted in the chart.



5800 SLIDING PATIO DOOR

5800 SLIDING PATIO DOORS. Strength. Energy efficiency. Performance. When your customers are looking for a patio door, it's time to unlock the potential of our sliding patio doors. They give a home more room and more beauty. Configurations include operating, transoms, fixed panels and side lites.

5800 SLIDING PATIO DOOR



FEATURES

- 1 Pinch fusion welded for a weathertight assembly with maximum strength
- 2 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- 3 Unique self-centering interlock improves operation and performance
- 4 Field reversible both before and after installation
- 5 Color-coordinated handle
- 6 Operating units available in 5', 6' and 8' widths, and 79 1/2" or 81 1/2" heights
- 7 Aluminum threshold and sill track
- 8 Tested and approved to meet NFRC requirements, ENERGY STAR® units available
- 9 Screen door with fiberglass mesh
- 10 Brass hardware with key lock available



NOTE: This product manufactured in our Toledo, OH facility only.



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.13	0.47	0.64	0.68	2.08	0.48	0.57	0.59
Low-E Glass	3.03	0.33	0.30	0.57	2.86	0.35	0.27	0.50
Low-E ^{SC} Glass	3.03	0.33	0.23	0.45	2.86	0.35	0.20	0.39
HP Glass	3.45	0.29	0.30	0.57	3.23	0.31	0.27	0.50
HP ^{SC} Glass	3.45	0.29	0.23	0.45	3.23	0.31	0.20	0.39
WARM EDGE+								
Low-E Glass	3.13	0.32	0.30	0.57	2.86	0.35	0.27	0.50
Low-E ^{SC} Glass	3.13	0.32	0.23	0.45	2.94	0.34	0.20	0.39
HP Glass	3.45	0.29	0.30	0.57	3.23	0.31	0.27	0.50
HP ^{SC} Glass	3.57	0.28	0.23	0.45	3.33	0.30	0.20	0.39

1. Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.
 2. HP glass option combines Low-E with argon gas fill for high performance.
 3. Optional Warm Edge+ upgrade for enhanced performance.
 4. Low-E^{SC} glass option is Solar Cooling optimized Low-E glass for improved performance.
 5. HP^{SC} glass option combines Solar Cooling optimized Low-E glass with argon gas fill for improved performance.

*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: 3/4" IGU, 3mm with and without grilles as noted in the chart.



5700 SLIDING PATIO DOOR

5700 SLIDING PATIO DOORS. Strength. Energy efficiency. Performance. When your customers are looking for a patio door, it's time to unlock the potential of our sliding patio doors. They give a home more room and more beauty. Configurations include operating, transoms, fixed panels and side lites.

5700 SLIDING PATIO DOOR



Simple roller adjustment access through end panel

FEATURES

- 1 Pinch fusion welded for a weathertight assembly with maximum strength
- 2 3/4" IGU glass systems offer energy efficient Warm Edge (standard) or Warm Edge+ (optional upgrade) spacer systems; Low-E, Low-E^{SC}, HP or HP^{SC} glass system upgrades offer even better energy efficiency
- 3 Unique self-centering interlock improves operation and performance
- 4 Field reversible both before and after installation
- 5 Color-coordinated handle
- 6 Operating units available in 5', 6' and 8' widths, and 79 1/2" or 81 1/2" heights
- 7 Aluminum threshold and sill track
- 8 Tested and approved to meet NFRC requirements, ENERGY STAR® units available
- 9 Screen door with fiberglass mesh
- 10 Brass hardware with key lock available



NOTE: This product manufactured in our Rocky Mount, VA facility only.



NFRC SIMULATED PERFORMANCE RATINGS* (DOUBLE STRENGTH GLASS¹)

	NO GRILLES				GRILLES <1"			
	R-Value	U-Factor	SHGC	VT	R-Value	U-Factor	SHGC	VT
WARM EDGE								
Clear Glass	2.17	0.46	0.62	0.65	2.08	0.48	0.55	0.57
Low-E Glass	3.03	0.33	0.29	0.55	2.86	0.35	0.26	0.48
Low-E ^{SC} Glass	3.03	0.33	0.22	0.43	2.86	0.35	0.20	0.38
HP Glass	3.45	0.29	0.29	0.55	3.23	0.31	0.26	0.48
HP ^{SC} Glass	3.45	0.29	0.22	0.43	3.23	0.31	0.20	0.38
WARM EDGE+								
Low-E Glass	3.13	0.32	0.29	0.55	2.94	0.34	0.26	0.48
Low-E ^{SC} Glass	3.13	0.32	0.22	0.43	2.94	0.34	0.20	0.38
HP Glass	3.57	0.28	0.29	0.55	3.33	0.30	0.26	0.48
HP ^{SC} Glass	3.57	0.28	0.22	0.43	3.33	0.30	0.20	0.38

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*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: 3/4" IGU, 3mm with and without grilles as noted in the chart.

GLASS OPTIONS



HP Glass System has one lite of soft-coat, single-surface multilayer vacuum-deposition Low-E insulating glass unit with argon gas. **HP^{SC} Glass** system has one lite of soft-coat, $\frac{3}{4}$ " single-surface multilayer vacuum-deposition Low-E^{SC} (solar cooling optimized) glass unit with argon gas. Argon gas is 40% denser than air.* Because glass makes up the majority of a window's surface, a better glass unit means better energy efficiency.

*Figure courtesy of Linde Gas, Inc.

ADDITIONAL GLASS OPTIONS AVAILABLE WITH CONTRACTOR REPLACEMENT 1000 PRODUCTS INCLUDE:

- Low-E
- Low-E^{SC}
- HP Glass (Low-E/Argon)
- HP^{SC} Glass (Low-E^{SC}/Argon)
- Tinted
- Double strength glass
- Obscure
- Tempered
- Laminated (security)

ADDITIONAL OPTIONS

2000 SERIES, 5000, 5100, 5700 AND 5800 PRODUCTS

- Low-E
- Low-E^{SC}
- HP Glass (Low-E/Argon)
- HP^{SC} Glass (Low-E^{SC}/Argon)
- Tinted
- Double strength glass
- Obscure
- Glue Chip Obscure
- Tempered
- Laminated (security)
- Sound Package (off-set glass)

Optional Advanced Easy Clean[®] Glass is a remarkable advancement in glass design that eliminates frequent exterior window cleaning. Windows and doors with special Easy Clean Glass require less effort than windows with ordinary glass.



SCREEN OPTIONS

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

ALUMINUM MESH

Provides added protection against aggressive regional insects that eat through normal fiberglass mesh. Charcoal finish reduces glare.

SOLAR BLOCK MESH

Blocks 70% of the sun's heat and glare. Keeps living spaces cooler, reduces energy costs and protects furnishings against fading.

OPTIMUM VIEWING MESH

Thinner fiberglass material allows maximum viewing while tighter mesh pattern keeps out tiny insects.



Ply Gem Contractor windows can be ordered in $\frac{1}{8}$ " increments for any replacement application providing a perfect fit and minimizing installation time and special trimming requirements.

Our Contractor 2000 Series are designed with a $3\frac{1}{4}$ " frame depth for a traditional pocket window installation. The 1000 Series and the remaining line is available in a $2\frac{7}{8}$ " with the 1000 Series double hung and matching fixed and shapes optionally available in a $3\frac{1}{4}$ " depth. Replacing previous wood and aluminum products has never been easier.

CUSTOM GRILLES

GRILLES-BETWEEN-THE-GLASS



$\frac{5}{8}$ " Flat



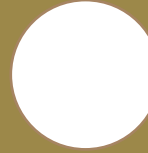
$\frac{5}{8}$ " Sculptured



$\frac{5}{8}$ " Flat Perimeter

WHITE

INTERIOR/EXTERIOR



BEIGE

INTERIOR/EXTERIOR



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

COLOR OPTIONS



ARCHITECTURAL SHAPES/FIXED



*Contact your Ply Gem sales representative for a full list of Contractor Series glass thickness options and ratings.



LIMITED LIFETIME WARRANTY

One of Life's Few Guarantees.

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

We believe so strongly in the durability of our windows that we back each window unit with our hassle-free Limited Lifetime Warranty. Lifetime means your windows are protected under the warranty for as long as you live in your home. And your warranty is transferable to the next homeowner helping you protect your investment by increasing your home's resale value.

Wouldn't it be nice if you could feel so confident about everything you bought?

