

BUILDER SERIES

W I N D O W S



IMPACT RATED

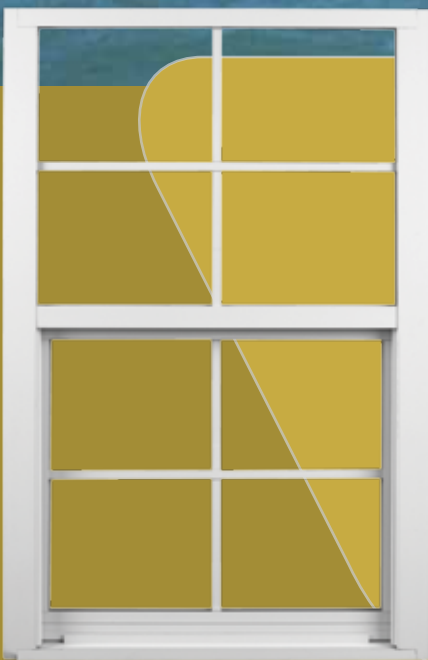


4710 SERIES IMPACT SINGLE HUNG



MORE VALUE. MORE PERFORMANCE. MORE PROTECTION.

You need a window with more than great looks. You need a window that can perform under the harshest weather conditions. Count on Ply Gem Windows Builder Series to deliver. It offers the best possible protection at the best possible value. Each window is built to weather it all. In fact, it can even withstand the impact of wind-blown objects. Plus, you'll get the energy efficiency, variety of choices and virtually maintenance-free features you need to realize your vision.





4710 SERIES IMPACT SINGLE HUNG



TESTING & PERFORMANCE DATA

- 4710FIR/4710FLIR series single hung units are constructed to meet H-R40 performance.
- Rated in accordance with the International Residential Codes and meet impact requirements in U.S. Zone 2 (110-120 mph) and Zone 3 (120-140 mph).
- Passes ASTM E1886/1996 Large Missile Impact and Cycling Tests.
- Meets AAMA/WDMA/CSA 101/I.S.2/A440 standard. Florida Building Commission Approved.

Visit www.floridabuilding.org for more information.



SINGLE HUNG SELECTION GUIDE

SERIES	NAIL FIN SETBACK	SASH TYPE	BALANCE TYPE	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE				
						WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFS
4710FIR	1 3/8"	SIDE LOAD	BLOCK & TACKLE	●	●	●	●	●		●
4710FLIR	FLANGE	SIDE LOAD	BLOCK & TACKLE	●	●				●	

THERMAL PERFORMANCE

	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
WARM EDGE				
7/8" Clear	1.52	0.66	0.60	0.65
7/8" Low-E	1.92	0.52	0.37	0.55
7/8" Low-E ^{SC}	1.92	0.52	0.34	0.43
7/8" HP Glass	2.04	0.49	0.37	0.56
7/8" HP ^{SC} Glass	2.04	0.49	0.34	0.44

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, impact glass (8mm with 3mm/.09mm/3mm laminated glass) over 3mm glass, no grilles.

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

STANDARD FEATURES

- Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- Sleek profile provides larger viewing area
- Interior glazing allows for easier glass replacement
- Side load removable bottom sash
- Block and tackle balance system
- Energy-efficient warm edge insulating laminated glass with PVB inner layer to maintain seal in high impact situations
- Sloped sill allows for proper water drainage to the exterior
- Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- Frame depth available in 2 7/16"
- Dual lift rails on bottom sash for easy operation
- Flange (shown) or integral nailing fin for simple installation



OPTIONS

GLASS OPTIONS:

Low-E, Low-E^{SC}, HP, HP^{SC}, obscure and tempered

GRILLE OPTIONS:

Color-coordinated grilles-between-the-glass (GBG) in 5/8" and 3/4" flat

PRODUCT CONFIGURATION:

Matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes

HARDWARE OPTION:

Safety vent latch to meet ASTM F2090-2008 requirements

COLOR OPTIONS:



NOTE: Colors shown are close approximations and may not be accurate representations for color matching. Please request color swatches from your Ply Gem sales representative to do so.

1. Available Low-E option.
2. Optional Low-E^{SC} features Solar Cooling optimized Low-E for warmer climates.
3. Optional HP Glass combines Low-E with argon gas fill for high performance.
4. Optional HP^{SC} Glass combines Solar Cooling optimized Low-E with argon gas fill for high performance for warmer climate zones.
5. Meets Florida building codes for certain zones. Consult your local codes for specific requirements.

