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.

www.plygemwindows.com
4710 SERIES IMPACT SINGLE HUNG

TESTING & PERFORMANCE DATA

- 4710IR/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).

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 ⅞"
- Dual lift rails on bottom sash for easy operation
- Flange (shown) or integral nailing fin for simple installation

THERMAL PERFORMANCE

<table>
<thead>
<tr>
<th>Thermal Performance</th>
<th>NFRC CERTIFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>R Value</td>
<td>U Factor</td>
</tr>
<tr>
<td>WARM EDGE</td>
<td></td>
</tr>
<tr>
<td>7/16&quot; Clear</td>
<td>1.52</td>
</tr>
<tr>
<td>7/16&quot; Low-E</td>
<td>1.92</td>
</tr>
<tr>
<td>7/16&quot; Low-ESC</td>
<td>1.92</td>
</tr>
<tr>
<td>7/8&quot; HP Glass</td>
<td>2.04</td>
</tr>
<tr>
<td>7/8&quot; HPSC Glass</td>
<td>2.04</td>
</tr>
</tbody>
</table>

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: 7/16" UG-l, impact glass (3mm with 3mm/0.9mm/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

OPTIONS

GLASS OPTIONS:
Low-E, Low-ESC, HP, HPSC, obscure and tempered

GRILLE OPTIONS:
Color-coordinated grilles-between-the-glass (GBG) in ¾" and 7/8" 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:
WHITE
BRONZE

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.

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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.
STANDARD FEATURES

- Thermally broken aluminum frame with polyurethane poured in place and debridged to reduce thermal conductivity of aluminum frame
- Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- Sloped sill allows for proper water drainage to the exterior
- 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 glass
- Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- Dual lift rails on bottom sash for easy operation
- Frame depth available in 2⅛”
- Integral nailing fin with a 1½” setback for simple installation

OPTIONS

GLASS OPTIONS:
- Low-E, Low-ESC, HP, HPSC, obscure and tempered

GRILLE OPTIONS:
- Color-coordinated grilles-between-the-glass (GBG) in 5/8”, 3/4” flat and 1-3/16” SDL with shadow bar

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 requirements

COLOR OPTIONS:
- WHITE
- BRONZE
- BLACK

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.