

Product Evaluation

WIN1771 | 0822

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1771

Effective Date: August 1, 2022

Re-evaluation Date: May 2023

Product Name: Ply Gem 1500 Vinyl Tilt Single Hung Windows, Impact Resistant

Manufacturer: Ply Gem Windows & Doors
433 North Main St.
Rocky Mount, VA 24151
(800) 542-9118 ext. 413596

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|--|--|------------------------|
| 1 | Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X | LC-PG50 (52.125 x 71) Missile Level D | +50 / -50 psf |
| 2 | Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X | LC-PG50 (38 x 77.125) Missile Level D | +50 / -50 psf |
| 3 | Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X | LC-PG50 (52.125 x 62) Missile Level D | +50 / -50 psf |

Product Dimensions:

| System | Overall Size | Operable Sash Size | Fixed Sash Daylight Opening Size |
|--------|--------------------|---------------------|----------------------------------|
| 1 | 52-1/8" x 71" | 49-9/16" x 17-5/8" | 47-1/2" x 49-1/8" |
| 2 | 38-1/16" x 77-1/8" | 35-7/16" x 37-9/16" | 33-1/2" x 35-7/16" |
| 3 | 52-1/8" x 62" | 49-9/16" x 30" | 47-9/16" x 27-7/8" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|---|
| 1-3 | Certification Agency | NAMI |
| | Manufacturer's Name or Code Name | Ply Gem Window Group |
| | Product Name | Ply Gem 1500 Impact Single Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA 506-16; Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|--|
| 1-3 | Yes | These products have been tested for windborne debris resistance. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies. |

Installation:

| System | | |
|--------|---------------------------|--|
| 1-3 | Type of Installation | Install in accordance with Ply Gem Windows drawing No. PWG183TX, dated December 12, 2012. Revision E dated December 4, 2019. Signed and sealed by Lucas A. Turner, P.E. on May 29, 2020. |
| | Wall Framing | |
| | Fasteners | |
| | Fastener Location/Spacing | |
| | Fastener Penetration | |

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.