

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

WIN-1771

Effective Date: August 1, 2013

Reevaluation Date: **November 2016**

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.

Ply Gem 1500 Vinyl Tilt Single Hung Windows, New Construction and Replacement Construction, Impact Resistant, manufactured by

Ply Gem Window Group
433 North Main Street
Rocky Mount, Virginia 24151
Telephone: (800) 999-8400

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ply Gem 1500 Vinyl Tilt Single Hung Window	H-LC50 38 x 77	+50, -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Daylight Opening Size
1	38.06" x 77.06"	35.44" x 37.56"	33.50" x 35.44"

Product Identification (Certification Agency Label on Window):

System	Certification Agency	NAMI
1	Manufacturer's Name or Code Name	PWG-M-168 (RM)
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886; ASTM E 1996

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation (One of the following):

System		
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Approximately 4 inches from each corner and approximately 8 inches on center along the perimeter of the window
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members
1	Type of Installation	Replacement Construction – Frame
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8x2" Screws
	Fastener Location/Spacing	<u>Head:</u> Approximately 5.75 inches from each corner. <u>Side Jamb:</u> Approximately 5.75 inches from each corner and one (1) at the meeting rail.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members

Note: The manufacturer’s installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.