



Product Evaluation

WIN1398 | 0815

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-1398

Effective Date: August 1, 2015

Re-evaluation Date: June 2017

Product Name: Series 4812F Thermally Broken Aluminum Single-Hung Windows, New Construction, Individual, Non-Impact Resistant

Manufacturer: Ply Gem Windows
433 North Main Street
Rocky Mount, VA 24151-0559
(800) 999-8400

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 4812F Thermally Broken Aluminum Single-Hung Windows, New Construction, (O/X)	H-LC50 (48 X 84)	+50 / -60 psf

Product Dimensions:

System	Overall Size	Active Sash Size	Fixed Lite Opening Size
1	48" x 84"	46-1/4" x 35-7/8"	44-5/16" x 45-9/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-160 (BTX)
	Product Name	Series 4812F Single Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in the TDI Inland I and Seaward zones.

Installation:

System		
1 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Southern Pine Dimension lumber
	Fasteners (Nail Fin)	Minimum No. 8 x 1-5/8" Phillip truss head screws
	Fastener Location/Spacing	Drive fasteners through the nail fin perimeter at 4" from each corner, then through the jambs at 9" on center (maximum) and through the head and sill at 12" on center (maximum).
	Fastener Penetration	Minimum 1-1/2" into the wall framing

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