

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

WIN-1566

Effective Date: August 1, 2014

Reevaluation Date: **August 2015**

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.

Series 9110/9110N Vinyl Single Hung Windows, New Construction and Replacement, Impact Resistant, manufactured by

Ply Gem Window Group
615 Carson Street
Bryan, Texas 77802
Telephone: (800) 999-8400

and sold as either

Ply Gem Window Group Series 9101/9101N Vinyl Single Hung Windows
Home Craftsman Series 8110IR/8110NIR Vinyl Single Hung Windows.

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 9110/9110N Vinyl Prime Single Hung Window	H-R50 48 x 72 ASTM E1886/E1996 Missile Level D	+50 psf, -57 psf

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Sash Daylight Opening Size
1	48" x 72"	45.75" x 29.25"	43.06" x 38.50"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-022 (HMC)
	Product Name	Series 9110/9110N
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; ASTM E1886-02/05; ASTM E1996-02/05

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:

System		
New	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Southern Pine
	Fasteners	Minimum No. 8 modified truss head screws
	Fastener Location/Spacing	No. 8 screws are located 6 inches from each corner and approximately 12 inches on center along the perimeter.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members
Replacement	Type of Installation	Replacement – Through Frame
	Wall Framing	Southern Pine
	Fasteners	Minimum No. 8 x 2 ½" long screws
	Fastener Location/Spacing	Approximately 6 inches from each corner and approximately 12 inches on center through the head and side jambs of the unit. No fasteners in the sill.
	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.