

Product Evaluation

WIN239 | 0323

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-239

Effective Date: March 1, 2023

Re-evaluation Date: March 2026

Product Name: Builders Series 1110/1111/1115 Vinyl Tilt Single Hung Windows, Non-Impact Resistant

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

Marketed As: 510 Series

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Series 1111 Integral Mull Triple Tilt Single Hung Window	H-R35 (107 x 72)	+35 / -50 psf
2	Builders Series 1111S/1111NS Tilt Single Hung Window	H-R35 (48 x 66)	+35 / -40 psf
3	Builders Series 1111 Integral Mull Triple Tilt Single Hung Window	H-R35 (108 x 60)	+35 / -50 psf
4	Builders Series 1111 Integral Mull Twin Tilt Single Hung Window	H-R40 (80 x 66)	+40 / -45 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
5	Builders Series 1110/1111 Tilt Single Hung Window	H-LC35 (48 x 84)	+35 / -40 psf
6	Builders Series 1111 Tilt Single Hung Window	H-R45 (36 x 74)	+45 / -55 psf
7	Builders Series 1115 Tilt Single Hung Windows	H-LC25 (48 x 74)	+25 / -30 psf
8	Builders Series 1111 Vinyl Tilt Single Hung Windows	H-R40 (44 x 74)	+40 / -40 psf
9	Builders Series 1110/1111 Tilt Single Hung Window	H-R40 (36 x 96)	+40 / -45 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	107-7/16" x 71-1/2"	32-3/4" x 35" (3)	30-15/16" x 32-1/4" (3)
2	47-1/2" x 65-1/2"	44-15/16" x 32"	42-7/8" x 29-1/4"
3	107-1/2" x 59-1/2"	32-7/8" x 29" (3)	30-7/8" x 26-1/4" (3)
4	79-1/2" x 65-1/2"	36-15/16" x 32" (2)	34-15/16" x 29-5/16" (2)
5	48" x 84"	45-7/16" x 29"	43-7/16" x 50-13/16"
6	36" x 74"	33-5/16" x 36-1/4"	31-1/2" x 33-7/16"
7	48" x 74"	45-5/16" x 36-9/16"	43-3/8" x 33-9/16"
8	44" x 74"	41-3/8" x 36-1/4"	39-3/8" x 33-1/2"
9	36" x 95-15/16"	33-7/16" x 29"	31-7/16" x 62-7/8"

Product Identification (Certification Label on Window):

System		
1, 3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111 Integral Mull Single Hung
	Test Standards	AAMA/WMDA/CSA 101/I.S.2/A440-11,17
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111/1111N Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111 Integral Mull Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Product Identification (Certification Label on Window):

System		
5	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
6	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111/1111N Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
7	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1115S/ 1115NS Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
8	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111N Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
9	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-003
	Product Name	1111N Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-9	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Systems 1, 3-4: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured with No. 8 modified truss head screws. Locate the screws approximately 4" from each corner and 6" on center along the perimeter of the window. A 12" mull splice plate is secured over the nailing fin and into a J-channel pocket on the head and sill centered at the mull post. Each mull splice is secured with four (4) minimum No. 6 drywall screws, evenly spaced. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured with No. 8 modified truss head screws. Locate the screws approximately 4" from each corner and 6" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 5, 9: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured with No. 8 modified truss head screws. Locate the screws approximately 2"-4" from each corner and 7" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 6-8: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured with No. 8 modified truss head screws. Locate the screws approximately 4" from each corner and 12" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.