

## Product Evaluation

WIN1579 | 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-1579

**Effective Date:** August 1, 2022

**Re-evaluation Date:** August 2025

**Product Name:** Builders Series 1140 Vinyl Outswing Casement Windows, Fin Installation, Non-Impact Resistant

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

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Series 1140 Vinyl Swing-Out Casement Windows	C-LC45 (36 x 72)	+45 / -45 psf
2	Builders Series 1140FL Vinyl Twin Outswing Casement Windows	C-R60 (60 x 48)	+60 / -60 psf
3	Builders Series 1140 Vinyl Twin Outswing Casement Windows	C-R60 (60 x 48)	+60 / -60 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size
1	36" x 72"	33-3/4" x 69-3/4"
2-3	59-7/16" x 47-7/16"	27-5/16" x 45-1/4"

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-005 (BTX)
	Product Name	1140 CASEMENT
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11, 17
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-005 (BTX)
	Product Name	1140FL-2 CASEMENT
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-005 (BTX)
	Product Name	1140-2 CASEMENT
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

**System 1:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using No. 8 modified truss head screws. Locate the screws approximately 4" from each corner and 6" on center along the perimeter. 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 using an aluminum installation clip (1.485" long x 0.740" wide x 0.055" thick). The clip is snapped into the exterior perimeter of the frame. A continuous clip was placed to the side jambs and 4" pieces were placed on the head and sill centered at each installation screw. The fasteners required are minimum No. 8 screws and are located 4" from each corner and 16" on center thereafter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 3:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using No. 8 modified truss head screws. Locate the screws approximately 4" from each corner and 12" on center. Secure a 6" nail clip located at the top and bottom of the window assembly at the mull post to the wall framing with three (3) minimum No. 8 PH screws. 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.