

## Product Evaluation

WIN2115 | 0221

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-2115

**Effective Date:** February 1, 2021

**Re-evaluation Date:** January 2024

**Product Name:** Ultimate Aluminum Clad Wood Fixed Double Hung Picture Windows, G2, Non-Impact Resistant

**Manufacturer:** Marvin Windows and Doors

P.O. Box 100

Highway 11 West

Warroad, MN 56763

(218) 386-4021

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultimate Clad Wood Fixed Double Hung Picture Windows G2	CW-PG50 (67.25 x 69.5)	+50 / -50 psf
2	Ultimate Clad Wood Fixed Double Hung Picture Windows G2	CW-PG50 (61.25 x 103.5)	+50 / -50 psf

### Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	67-1/4" x 69-1/2"	60-3/4" x 61-3/8"
2	61-1/4" x 103-1/2"	54-3/4" x 95-3/8"

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

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL DBLHNG PG2
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	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 Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with 11-gauge x 2" long smooth shank roofing nails. Locate the nails approximately 4" from each corner and 8" 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 Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with 11-gauge x 2" long smooth shank roofing nails. Locate the nails approximately 4" from each corner and 8" on center along the perimeter. In addition, use No. 8 x 3" along the perimeter located 6" from each corner and spaced 13" on center. Also, the sash frame is secured into the exterior aluminum covers with minimum No. 9 x 3" wood screws located approximately 4" from each corner and 18" on center. 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.