

Product Evaluation

WIN2688 | 0122

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-2688

Effective Date: January 1, 2022

Re-evaluation Date: October 2024

Product Name: Ultimate Aluminum Clad Wood Round Top Double Hung Windows, G2, Impact Resistant

Manufacturer: Marvin
 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 Round Top Double Hung Windows, G2	LC-PG65 (45.25 x 79.5) Missile Level D	+65 / -65 psf
2	Ultimate Clad Wood Round Top Double Hung Windows, G2	LC-PG65 (49.25 x 107.5) Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	45-1/4" x 79-1/2"	42-1/16" x 39"	42-1/16" x 39-3/4"
2	49-1/4" x 107-1/2"	46-1/16" x 53"	46-1/16" x 53-3/4"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL DBL HNG RT G2 IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-12 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

Option 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through an aluminum nailing fin. The nailing fin is secure to the wall framing with 1-3/4", 12-gauge, galvanized roofing nails. Locate the nails approximately 4" from each corner and 4" on center along the perimeter. In addition, along the side jambs, locate No. 8 x 3" screws at the midspan of each jamb. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with No. 8 x 3" screws. Locate the screws approximately 6" from each corner and 15" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option 3: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with galvanized steel structural brackets (1-9/16" x 6"-8" x 0.050"). Locate the brackets approximately 6" from each corner and 13" on center along the perimeter. Secure the brackets to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 8 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.