

Product Evaluation

WIN834 | 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-834

Effective Date: February 1, 2021

Re-evaluation Date: February 2025

Product Name: Ultimate Wood Double Hung Windows, Frame Installation, 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 Wood Double Hung Windows; X/X	LC-PG55 (45.37 x 61) Missile Level D	+55 / -65 psf
2	Ultimate Wood Double Hung Windows; X/X	LC-PG55 (37.37 x 77) Missile Level D	+55 / -65 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1	45-3/8" x 61"	42-7/16" x 28-7/8"	42-7/16" x 30-5/8"
2	37-3/8" x 77"	34-7/16" x 36-7/8"	34-7/16" x 38-5/8"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL WD DBLHNG IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17 ASTM E1886-13a/E1996-14a; 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 (One of the Following):

Option 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing along the head and side jambs using No. 8 x 2-1/2" screws. Locate the screws approximately 6" from each corner and 15" on center. Fasteners must be long enough to penetrate minimum 1-1/2" into the wall framing members.

Option 2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with installation brackets (20-gauge x 7.151" x 1.477" galvanized steel). Secure the brackets to the window frame with two (2) No. 7 x 5/8" screws and to the wall framing with four (4) No. 8 x 1-1/2" screws. Locate the brackets approximately 6" 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.