

## Product Evaluation

WIN2660 | 1121

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-2660

**Effective Date:** November 1, 2021

**Re-evaluation Date:** November 2025

**Product Name:** Ultimate Prime Wood and Aluminum Clad Wood Round Top Casement Windows, Frame Installation, Impact Resistant

**Manufacturer:** Marvin  
 P.O. Box 100  
 Highway 11 West  
 Warroad, MN 56763  
 (800) 346-5044

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultimate Clad Wood Round Top Casement Windows; X	CW-PG65 (36 x 83.12) Missile Level D	+65 / -65 psf
2	Ultimate Prime Wood Round Top Casement Windows; X	CW-PG65 (36 x 83.13) Missile Level D	+65 / -65 psf

### Product Dimensions:

System	Overall Size	Operable Sash Size
1-2	36" x 83-1/8"	34-5/16" x 81-1/2"

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

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL CSMNT RT IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14a Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL WD CSMNT RT IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 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:**

System		
1	Type of Installation	Screw Thru Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 3" screws
	Fastener Location/Spacing	Sill: 4" from each corner and at the midspan Side Jamb: 4" from each corner and 13" on center Head: 4" from each radius/side jamb joint and at the mid-span
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
2	Type of Installation	Screw Thru Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 3" screws
	Fastener Location/Spacing	Sill: 4" from each corner and at the midspan Side Jamb: 6", 21", and 38" from the sill Head: 30" from each radius/side jamb joint and at the mid-span
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

**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.