



Product Evaluation

WIN1288 | 0715

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-1288 **Effective Date:** July 1, 2015
Re-evaluation Date: June 2018

Product Name: Wood Ultimate Casement Windows, New and Replacement Construction, Individual, Non-Impact Resistant

Manufacturer: Marvin Windows and Doors
P.O. Box 100, Highway 11 West
Warroad, MN 56763-0100
Telephone: (218) 386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Wood Ultimate Replacement Casement Window 3697 and Wood Ultimate Casement Window 3697; Individual (X)	CW PG50 36 X 96.13-C	+50 / -50 psf
2	Wood Ultimate Replacement Casement Window 4072 and Wood Ultimate Casement Window 4072; Individual (X)	CW PG50 40 X 72.13-C	+50 / -50 psf
3	Wood Ultimate Replacement Casement Window 4092 and Wood Ultimate Casement Window 4092; Individual (X)	CW PG50 40 X 91.13-C	+50 / -50 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	36" x 96-1/8"	30-1/4" x 90-3/8"
2	40" x 72-1/16"	34-1/4" x 65-3/8"
3	40" x 91-1/8"	34-1/4" x 85-3/8"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Wood Ultimate Replacement Casement and Wood Ultimate Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

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, 3	Type of Installation	<u>To wood-framed building:</u> Through window frame into wood frame studs
	Wall Framing	Spruce-Pine-Fir dimension lumber (minimum)
	Fasteners	minimum No. 8 x 3" screws
	Fastener Location/Spacing	<u>Jambs:</u> Drive fasteners through the window jambs at 4" from each corner. Drive additional fasteners through the jambs at 15" (maximum) on center. <u>Roto Operator:</u> Attach the roto operator with two #8 x 3" screws that penetrate the window frame and embed a minimum of 1-1/2" into the wall framing.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	<u>To wood-framed building:</u> Through window brick mould into wood frame studs
	Wall Framing	Spruce-Pine-Fir dimension lumber (minimum)
	Fasteners	minimum 16d, 3-1/2" casing nails
	Fastener Location/Spacing	Drive 16d, 3-1/2" casing nails (minimum) through the brick moulds, which are located along the window jambs and head at 6" (maximum) from each corner. Drive additional fasteners through each brick mould at 15" (maximum) on center. <u>Roto Operator:</u> Attach the roto operator with two #8 x 3" screws that penetrate the window frame and embed a minimum of 1-1/2" into the wall framing.
	Fastener Penetration	Minimum 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, the IBC, and the Texas Revisions.