



Product Evaluation

WIN1289 | 0615

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-1289

Effective Date: June 1, 2015

Re-evaluation Date: September 2016

Product Name: Clad Ultimate and Wood Ultimate Casement Round Top Window, 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	Clad Ultimate Casement Round Top	CW-PG50 40 x 71.12	+50 / -50 psf
2	Wood Ultimate Casement Round Top	CW-PG50 40 x 72.06	+50 / -50 psf
3	Clad Ultimate Replacement Casement Round Top and Clad Ultimate Casement Round Top	CW-PG50 36 x 96.12	+50 / -50 psf
4	Wood Ultimate Replacement Casement Round Top and Wood Ultimate Casement Round Top	CW-PG50 36 x 97.06	+50 / -50 psf
5	Clad Ultimate Replacement Casement Round Top and Clad Ultimate Casement Round Top	CW-PG50 40 x 92	+50 / -50 psf
6	Wood Ultimate Replacement Casement Round Top and Wood Ultimate Casement Round Top	CW-PG50 40 x 92.06	+50 / -50 psf

Product Dimensions:

System	Overall Size	Sash Size
1	40" x 71-1/8"	38-5/16" x 69-7/16"
2	40" x 72-1/16"	38-3/8" x 69-7/16"
3	36" x 96"	34-3/8" x 94-7/16"
4	36" x 97-1/16"	34-3/8" x 90-3/8"
5	40" x 92"	38-3/8" x 90-3/8"
6	40" x 92-1/16"	38-3/8" x 90-3/8"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Clad Ultimate Casement Round Top
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Wood Ultimate Casement Round Top
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11
3, 5	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Clad Ultimate Replacement Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11
4, 6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Wood Ultimate Replacement Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum 0.12" diameter smooth shank roofing nails
	Fastener Location/Spacing	Located approximately 6" from each corner and 8" on center along the perimeter of the window; In addition, two (2) No. 8 x 3" screws through each roto-operator
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	Brickmould
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum 16d (0.135" dia) smooth shank nails
	Fastener Location/Spacing	Located approximately 6" from each corner, 6" from each jamb to radius joint, and 10" on center; In addition, two (2) No. 8 x 3" screws through each roto-operator
	Fastener Penetration	Minimum 1-1/2" into the wall framing
3, 4, 5, 6	Type of Installation	Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 3" screws
	Fastener Location/Spacing	Located approximately 4" from each corner and 15" on center along the head jamb and each side jamb; In addition, No. 10 x 3" screws through each hinge
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.