TDI | Texas Department of Insurance

PO Box 149104 | Austin, TX 78714 | 1-800-578-4677 | tdi.texas.gov

Product Evaluation

WIN54 | 1120

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-54

Effective Date: November 1, 2020
Re-evaluation Date: June 2023

Product Name: Ultimate Prime Wood and Aluminum Clad Wood Magnum Tilt-Turn, Inswing Casement, and Hopper Windows, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Wood Magnum Tilt-Turn Window	CW-PG40 (49 x 73)	+40 / -40 psf
2	Prime Wood Magnum Tilt-Turn Window	CW-PG40 (49 x 73.75)	+40 / -40 psf
3	Clad Wood Magnum Tilt-Turn Hopper Window	CW-PG40 (65 x 49)	+40 / -40 psf
4	Prime Wood Magnum Tilt-Turn Hopper Window	CW-PG40 (65 x 49.75)	+40 / -40 psf
5	Clad Wood Magnum Tilt-Turn Inswing Casement Window	CW-PG40 (49 x 73)	+40 / -40 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
6	Prime Wood Magnum Tilt-Turn Inswing Casement Window	CW-PG40 (49 x 73.75)	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1	49" x 73"	45-3/16" x 69-3/16"	38-7/8" x 62-5/8"
2	49" x 73-3/4"	45-3/16" x 69-3/16"	38-7/8" x 62-5/8"
3	65" x 49"	61-3/16" x 45-3/16"	54-7/8" x 38-7/8"
4	65" x 49-3/4"	61-3/16" x 45-3/16"	54-7/8" x 38-7/8"
5	49" x 73"	45-3/16" x 69-3/16"	38-7/8" x 62-7/8"
6	49" x 73-3/4"	45-3/16" x 69-3/16"	38-7/8" x 62-7/8"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL TLTTRN (System 1) UL WD TLTTRN (System 2)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11
3-4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL TLTTRN HOP (System 3) UL WD TLTTRN HOP (System 4)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11
5-6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL TLTTRN CAI (System 5) UL WD TLTTRN CAI (System 6)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

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:

Systems 1, 3, 5: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing using minimum 11-gauge x 2" long smooth shank roofing nails. Locate the nails approximately 6" from each corner and 8" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Systems 2, 4, 6: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through the brickmould. The brickmould is secured to the wall framing with minimum 10-gauge x 3-1/2" long casing nails. Locate the nails approximately 6" from each corner and 8" 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.