TDI | Texas Department of Insurance

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Product Evaluation

WIN1057 | 0423

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-1057

Effective Date: April 1, 2023
Re-evaluation Date: April 2027

Product Name: Aluminum Clad Wood Ultimate Glider Windows, Fin and Frame Installation, Non-Impact Resistant

Manufacturer: Marvin
Highway 11 West
Warroad, MN 56763
(218) 386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultimate Glider (XX)	LC-PG50 (71.5 x 53.5)	+50 / -50 psf
2	Ultimate Glider (XO, OX)	LC-PG50 (71.5 x 59.5)	+50 / -50 psf
3	Ultimate Glider (XX)	LC-PG35 (71.5 x 71.5)	+35 / -35 psf
4	Ultimate Glider (XO, OX)	LC-PG40 (71.5 x 71.5)	+40 / -40 psf
5	Ultimate Glider (XOX)	LC-PG35 (119.5 x 71.5)	+35 / -35 psf
6	Ultimate Glider (OXXO)	LC-PG35 (143.5 x 59.5)	+35 / -35 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	71-1/2" x 53-1/2"	35-1/4" x 50-1/4" (2)	N/A
2	71-1/2" x 59-1/2"	35-1/4" x 56-1/4"	31-1/4" x 52-5/8"
3	71-1/2" x 71-1/2"	35-1/4" x 68-1/4" (2)	N/A
4	71-1/2" x 71-1/2"	35-1/4" x 68-1/4"	31-1/4" x 64-3/4"
5	119-1/2" x 71-1/2"	29-1/4" x 68-1/4" (2)	57-9/16" x 64-3/4"
6	143-1/2" x 59-1/2"	35-7/8" x 56-1/4" (2)	31-7/8" x 52-3/4" (2)

Product Identification (Certification Label on Window):

System		
1-6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL GLDR
	Test Standards	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:

Nail Fin Installation (System 1-6):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using 2" long smooth shank galvanized roofing nails spaced approximately 4" from each corner and 6"-8" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 1-4):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 x 3" screws. Along the side jambs, locate the screws approximately 6" from each corner and one at the center. Along the head and sill, locate one screw at the center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 5):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 x 3" screws. Locate the screws approximately 6" from each corner and one at the enter along the side jambs, two screws

at the head evenly spaced, and two screws at the sill evenly spaced. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 6):
The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 x 3" screws. Locate the screws approximately 6" from each corner and one at the center along the side jambs. Along the sill, locate the screws through each sill bracket. At the head, locate the screws through each stationary bracket and one centered on frame width. 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.