

Product Evaluation

WIN2765 Draft | 0923

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-2765

Effective Date: September 1, 2023

Re-evaluation Date: September 2027

Product Name: Fiberglass Elevate Casement Picture Windows, Non-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	Elevate Casement Picture Windows	LC-PG50 (56 x 71.12)	+50 / -50 psf
2	Elevate Casement Picture Windows	LC-PG50 (72 x 59.12)	+50 / -50 psf
3	Elevate Casement Picture Windows	LC-PG50 (72 x 55.12)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Sash Size
1	56" x 71-1/8"	54-5/16" x 69-7/16"
2	72" x 59-1/8"	70-5/16" x 57-7/16"
3	72" x 55-1/8"	70-5/16" x 53-7/16"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WMDA
	Manufacturer's Name or Code Name	Marvin
	Product Name	Elevate Casement Picture
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11, 17

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, 2	Type of Installation	Screw Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8-18 x 3" screws
	Fastener Location/ Spacing	Approximately 4" from each corner and midspan on head jamb; 3-1/2", 29-1/2", and 43-1/2" up from the sill on side jambs
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3	Type of Installation	Nailing Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	2" roof nails
	Fastener Location/ Spacing	Through nail fin 4" from each corner and spaced 7" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
1, 2	Type of Installation	Nailing Fin with Clips
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	2" roof nails, #7 x 5/8" and #8 x 1-1/4" screws
	Fastener Location/ Spacing	Through nail fin 4" from each corner and spaced 7" on center; Secure installation clips to window frame with three (3) #7 x 5/8" screws and to the wall framing with three (3) #8 x 1-1/4" screws. The clips are 6" from each corner and spaced 18" on center.
	Fastener Penetration	Nails should be 1-1/2" minimum 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.