

Product Evaluation

WIN2672 | 1221

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-2672

Effective Date: December 1, 2021

Re-evaluation Date: December 2025

Product Name: Modern Fiberglass Aluminum Clad Crank-Out and Push-Out Awning Windows, Frame Installation, 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	Modern Fiberglass Aluminum Clad Crank-Out Awning Windows; X	CW-PG50 (64 x 96)	+50 / -50 psf
2	Modern Fiberglass Aluminum Clad Crank-Out Awning Windows; X	LC-PG45 (96 x 64)	+45 / -45 psf
3	Modern Fiberglass Aluminum Clad Crank-Out Awning Windows; X	CW-PG50 (72 x 72)	+50 / -50 psf
4	Modern Fiberglass Aluminum Clad Push-Out Awning Windows; X	CW-PG50 (89 x 48)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1	64" x 96"	62-1/2" x 94-1/2"	58-1/2" x 90-1/2"
2	96" x 64"	94-1/2" x 62-1/2"	90-1/2" x 58-1/2"
3	72" x 72"	70-1/2" x 70-1/2"	66-1/2" x 66-1/2"
4	89" x 48"	87-1/2" x 46-1/2"	83-1/2" x 42-1/2"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	MDRN AWN CRK
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	MDRN AWN PO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 10 x 3" screws
	Fastener Location/Spacing	Head/Sill: 3-3/4" from each corner and 18-3/4" on center Side Jamb: 3-3/4" from each corner and 17-3/4" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

Installation:

System		
2	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 10 x 3" screws
	Fastener Location/Spacing	Head: 3-3/4" from each corner and 14-3/4" on center Side Jambs: 3-3/4" from each corner and 9-1/2" on center Sill: 3-3/4", 11", 22", and 33-1/2" from each side jamb, and two screws through the roto operator
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 10 x 3" screws
	Fastener Location/Spacing	Head: 3-3/4" from each corner and 13" on center Side Jambs: 3-3/4" from each corner and 9" on center Sill: 3-3/4", 11", and 22" from each side jamb, and two screws through the roto operator
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
4	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 10 x 3" screws
	Fastener Location/Spacing	Head: 3-3/4" from each corner and 13-1/2" on center Side Jambs: 3-3/4" from each corner and 14" on center Sill: 3-3/4", 11", 22", and 32" from each side jamb
	Fastener Penetration	Minimum of 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 and the IBC.