

Product Evaluation

WIN1128 | 0520

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-1128

Effective Date: May 1, 2020

Re-evaluation Date: May 2024

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

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG50 (40 x 47.13)	+50 / -50 psf
2	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG50 (48 x 47.13)	+50 / -50 psf
3	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG50 (56 x 47.13)	+50 / -50 psf
4	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG30 (96 x 48.13)	+30 / -30 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
5	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG50 (72 x 63.12)	+50 / -50 psf
6	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG30 (81.13 x 64)	+30 / -30 psf
7	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG50 (48 x 72)	+50 / -50 psf
8	Ultimate Awning Windows (Full Frame)	LC-PG40 (72 x 72)	+40 / -40 psf
9	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG30 (64 x 81.13)	+30 / -30 psf
10	Ultimate Awning Windows (Full or Narrow Frame)	LC-PG40 (48 x 96)	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1	40" x 47-1/8"	38-5/16" x 45-7/16"
2	48" x 47-1/8"	46-5/16" x 45-7/16"
3	56" x 47-1/8"	54-5/16" x 45-7/16"
4	96" x 48-1/8"	94-1/2" x 46-5/8"
5	72" x 63-1/8"	70-5/16" x 61-7/16"
6	81-1/8" x 64"	79-1/2" x 62-1/2"
7	48" x 72"	46-5/16" x 70-5/16"
8	72" x 72"	70-5/16" x 70-5/16"
9	64" x 81-1/8"	62-1/2" x 79-1/2"
10	48" x 96"	46-1/2" x 94-3/8"

Product Identification (Certification Label on Window):

System		
1-7, 9-10	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL AWN or UL AWN NF
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17
8	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL AWN
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17

Impact Resistance:

System	Impact Resistant	Requirement
1-10	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation (One of the Following for System 3 ONLY):**Frame Installation (System 1-3, 5, 7-8):**

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 4" from each corner and spaced 15" on center along the head and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin Installation (System 3):

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 roofing nails located approximately 6" from each corner and spaced 8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 4, 6, 9-10):

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 4" from each corner and spaced 15" on center along the perimeter. Along the sill, place one additional screw through each side of the operator base hardware. 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.