

Product Evaluation

WIN2071 | 0122

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-2071

Effective Date: January 1, 2022

Re-evaluation Date: January 2024

Product Name: Ultimate Aluminum Clad Wood Double Hung Windows, G2, 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 Clad Wood Double Hung Windows, G2	LC-PG50 (45.25 x 87.5)	+50 / -50 psf
2	Ultimate Clad Wood Double Hung Windows, G2	LC-PG50 (45.25 x 95.5)	+50 / -50 psf
3	Ultimate Clad Wood Double Hung Windows, G2	LC-PG50 (49.25 x 107.5)	+50 / -50 psf
4	Ultimate Clad Wood Double Hung Windows, G2	LC-PG35 (59.25 x 119.5)	+35 / -35 psf
5	Ultimate Clad Wood Double Hung Windows, G2	LC-PG35 (55.25 x 95.5)	+35 / -35 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
6	Ultimate Clad Wood Double Hung Windows, G2	CW-PG50 (53.25 x 59.5)	+50 / -50 psf
7	Ultimate Clad Wood Double Hung Windows, G2	CW-PG50 (53.25 x 103.5)	+50 / -50 psf
8	Ultimate Clad Wood Double Hung Windows, G2	CW-PG35 (55.25 x 119.5)	+35 / -35 psf
9	Ultimate Clad Wood Double Hung Windows, G2	CW-PG30 (59.25 x 119.5)	+30 / -30 psf
10	Ultimate Clad Wood Double Hung Windows, G2	LC-PG30 (65.25 x 127.5)	+30 / -30 psf

Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	45-1/4" x 87-1/2"	42-1/16" x 42-7/8"	42-1/16" x 43-3/4"
2	45-1/4" x 95-1/2"	42-1/16" x 46-7/8"	42-1/16" x 47-3/4"
3	49-1/4" x 107-1/2"	46-1/16" x 52-7/8"	46-1/16" x 53-3/4"
4, 9	59-1/4" x 119-1/2"	56-1/16" x 58-7/8"	56-1/16" x 59-3/4"
5	55-1/4" x 95-1/2"	52-1/16" x 46-7/8"	52-1/16" x 47-3/4"
6	53-1/4" x 59-1/2"	50-1/16" x 58-7/8"	50-1/16" x 29-3/4"
7	53-1/4" x 103-1/2"	50-1/16" x 50-7/8"	50-1/16" x 51-3/4"
8	55-1/4" x 119-1/2"	52-1/16" x 58-7/8"	52-1/16" x 59-3/4"
10	65-1/4" x 127-1/2"	62-1/16" x 63"	62-1/16" x 63-3/4"

Product Identification (Certification Label on Window):

System		
1-10	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	UL DBLHNG G2
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

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:

System 1: 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 11-gauge smooth shank roofing nails. Locate the nails approximately 4" from each corner and 8" on center thereafter along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Systems 2-4: 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 11-gauge smooth shank roofing nails. Locate the nails approximately 4" from each corner and 8" on center thereafter along the perimeter. In addition, secure the assembly to the wall framing using minimum No. 8 x 3" screws. Locate one screw at the mid-point of each side jamb and one at each side jamb structural bracket location. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 5: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through the frame with No. 8 x 3" screws. Locate the screws approximately 6" from each corner and 20" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Systems 6-9: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through the frame with No. 8 x 3" screws. Locate the screws approximately 6" from each corner along each side jamb, at each side jamb performance bracket location, at the fixed location at the mid-point of each side jamb, and one at the center of the head. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 10: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through the frame with No. 8 x 3" screws. Locate the screws at each side jamb performance bracket location, at fixed location at the midpoint of each side jamb, and approximately 6" from each corner and 15" on center along the head. 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.