

Product Evaluation

WIN2424 | 1219

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-2424

Effective Date: December 1, 2019

Re-evaluation Date: December 2023

Product Name: Aluminum Clad Wood Casement Windows, Muller Combination, Fin Installation, Non-Impact Resistant

Manufacturer: Sierra Pacific Windows
575 South Whelen Ave
Medford, WI 54451
(715) 748-2011

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Aluminum Clad Wood 2-Wide Casement Operator	LC-PG25 Span (96.25) x TW (28.25)-MA	+25 / -25 psf
2	Aluminum Clad Wood Casement Windows	LC-PG50 Span (72) x TW (36)-MA	+50 / -50 psf
3	Aluminum Clad Wood 2-wide Pushout Casement Windows	CW-PG35 Span (72.19) x TW (36.19)-MA	+35 / -35 psf
4	Aluminum Clad Wood 2-wide Pushout Casement Windows	CW-PG50 Span (72.19) x TW (36.19)-MA	+50 / -55 psf

Product Dimensions:

System	Overall Size	Operating Casement Sash Size
1	57.50" x 96.25"	26.50" x 94.63"
2	72.50" x 72.25"	34.50" x 70.50"
3-4	72.38" x 72.19"	34.50" x 70.63"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	Aluminum Clad Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
3-4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	Aluminum Clad Pushout Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Assembly Labelling: The assembly will bear the WDMA label noted in the Product Identification section of this evaluation report. In addition, the individual windows in the mulled assembly will bear a WDMA label. Refer to the appropriate TDI evaluation report for the individual windows in the mulled assembly for the information specified on the WDMA label.

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	Vinyl Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 1-1/4" PPH screws
	Fastener Location/Spacing	Approximately 2" from each corner and 7" on center along the side jambs and sill
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	Vinyl Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 1-1/4" PPH screws
	Fastener Location/Spacing	Approximately 8" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Installation (continued):

System		
3	Type of Installation	Vinyl Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum 2" long smooth shank roofing nails
	Fastener Location/Spacing	Approximately 1" from each corner and 3"-8" on center along the perimeter
	Fastener Penetration	Minimum 1-1/2" into the wall framing
4	Type of Installation	Aluminum Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 x 1-1/4" PPH screws
	Fastener Location/Spacing	Approximately 1" from each corner and 8"-10" on center along the perimeter
	Fastener Penetration	Minimum 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.