

Product Evaluation

WIN2518 | 1220

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-2518

Effective Date: December 1, 2020

Re-evaluation Date: March 2024

Product Name: Pinnacle Series Aluminum Clad Wood Vent Casement Windows, Non-Impact Resistant

Manufacturer: Windsor Windows and Doors
900 South 19th Street
West Des Moines, IA 50265
(515) 223-6660

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Pinnacle Series Clad Wood Vent Casement Windows	R-PG30-C (36 x 72)	+30 / -30 psf
2	Pinnacle Series Clad Wood Vent Casement Windows	R-PG30-C (28 x 84)	+30 / -30 psf
3	Pinnacle Series Clad Wood Arch Top Vent Casement Windows	R-PG30-C (36 x 72)	+30 / -30 psf
4	Pinnacle Series Clad Wood Vent Casement Windows	R-PG50-C (28 x 78)	+50 / -50 psf
5	Pinnacle Series Clad Wood HP Vent Casement Windows	LC-PG50-C (36 x 72)	+50 / -50 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
6	Pinnacle Series Clad Wood Vent Casement Windows	R-PG50-C (28 x 84)	+50 / -50 psf
7	Pinnacle Series Clad Wood Vent Casement Windows	LC-PG40-C (42 x 60)	+40 / -40 psf
8	Pinnacle Series Clad Wood Vent Casement Windows	R-PG50-C (42 x 48)	+50 / -50 psf
9	Pinnacle Series Clad Wood Vent Casement Windows	LC-PG40-C (30 x 72)	+40 / -40 psf
10	Pinnacle Series Clad Wood HP Vent Casement Windows	LC-PG65-C (30 x 72)	+65 / -65 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1, 3, 5	36" x 72"	34-1/8" x 70-1/8"
2, 6	28" x 84"	26-1/8" x 82-1/8"
4	28" x 78"	26-1/8" x 76-1/8"
7	42" x 60"	40-1/8" x 58-1/8"
8	42" x 48"	40-1/8" x 46-1/8"
9-10	30" x 72"	28-1/8" x 70-1/8"

Product Identification (Certification Label on Window):

System		
1-10	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Windsor Windows & Doors
	Product Name	Pinnacle Series Casement
	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		
1-4, 6-10	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	2" long, minimum 11-gauge, smooth shank roofing nails
	Fastener Location/Spacing	4" from each corner and 8" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
5	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Nail Fin to Window Frame: 3M VHB tape and minimum No. 6 sheet metal screws Wall Framing: No. 8 screws
	Fastener Location/Spacing	Nail Fin to Window Frame: screws 12" on center Wall Framing: 4" from each corner and 8" on center
	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.