

Product Evaluation

WIN2571 | 0221

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-2571

Effective Date: February 1, 2021

Re-evaluation Date: August 2024

Product Name: Pinnacle Select Series Aluminum Clad Wood Fixed Casement Picture Windows, 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 Select Series Clad Wood Fixed Casement Picture Windows	LC-PG65 (48 x 96)-FW Missile Level D	+65 / -65 psf
2	Pinnacle Select Series Clad Wood Fixed Casement Picture Windows	LC-PG65 (72 x 72)-FW Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	48" x 96"	41-1/2" x 89-1/2"
2	72" x 72"	65-1/2" x 65-1/2"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Windsor Windows & Doors
	Product Name	Pinnacle Series Clad Wood Frame Csmt Pic
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17 ASTM E1886-13a/E1996-14; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation (One of the Following):

Nail Fin Installation: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a rigid head fin including an exterior drip edge. The side fins were secured with no. 8 screws spaced approximately 12" on center and the head fin is secured with VHB tape. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Screw Through Frame: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using No. 8 screws located approximately 6" from each corner and spaced approximately 8.5" along the side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Clip Installation: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using galvanized steel clips (7-13/16" long, 1-1/2" wide, and 0.036" thick). Two (2) clips along the head and sill, evenly spaced and eight (8) clips along the side jambs, evenly spaced. Secure the clips to the window frame using two (2) No. 8 screws and to the wall framing using No. 8 screws, one to the exterior and one to the interior. 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.