



Product Evaluation

WIN738 | 1215

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-738

Effective Date: December 1, 2015

Re-evaluation Date: December 2019

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

Manufacturer: Pella Corporation
102 Main Street
Pella, IA 50219
(641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	ProLine Series Aluminum Clad Wood Vent Casement Windows	R-PG30 35 x 71-Type C	± 30 psf
2	ProLine Series Aluminum Clad Wood Vent Casement Windows	R-PG50 21 x 71-Type C	± 50 psf
3	ProLine Series Aluminum Clad Wood Vent Casement Windows	R-PG50 25 x 65-Type C	± 50 psf
4	ProLine Series Aluminum Clad Wood Vent Casement Windows	R-PG50 29 x 59-Type C	± 50 psf
5	ProLine Series Aluminum Clad Wood Vent Casement Windows	R-PG50 35 x 53-Type C	± 50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1	35.00" x 71"	33.00" x 69.00"
2	21.00" x 71"	19.00" x 69.00"
3	25.00" x 65"	23.00" x 63.00"
4	29.00" x 59"	27.00" x 57.00"
5	35.00" x 53"	33.00" x 51.00"

Product Identification (Certification Agency Label on Window):

System		
1, 2, 3, 4, 5	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4, 5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

- **Fin Installation:** Use minimum Spruce-Pine-Fir dimension lumber for the wood framing members. Mount the windows to the wood wall framing members using the roll-formed aluminum nailing fin of the window with minimum 11-gauge x 2" smooth shank roofing nails. The fasteners are to be located in the pre-drilled holes spaced 5" to 7" on center along the perimeter. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wood framing.
- **Frame Installation using Screws:** Use Spruce-Pine-Fir dimension lumber for the wood-framing members. Mount the windows to the wood wall framing members through the window frame with minimum No. 10 x 3-1/2" long flat head wood screws. Along the head and sill, locate the fasteners approximately 6" from each corner. Along the side jambs, locate the fasteners approximately 5-1/2" from each corner and 15" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wood framing.
- **Frame Installation using Clips:** Use Spruce-Pine-Fir dimension lumber for the wood-framing members. Mount the windows to the wood wall framing members with galvanized steel clips (2" x 6" x 0.050"). Each steel clip is bent 90 degrees to wrap the end of the steel clip around the interior face of the wall framing. Secure the steel clips to the window frame with two minimum No. 6 x 5/8" long flat head wood screws. Secure the steel clips to the wall framing with two minimum No. 6 flat head wood screws. Along the head and sill, locate the steel clips approximately 6" from each corner. Along the side jambs, locate the steel clips approximately 4-1/2" from each corner and 16" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wood framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.