



Product Evaluation

WIN827 | 0815

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-827

Effective Date: August 1, 2015

Re-evaluation Date: December 2018

Product Name: ProLine Series Aluminum Clad Wood Casement Fixed 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 |
|--------|--|------------------------|------------------------|
| 1-4 | ProLine Series Aluminum Clad Wood Casement Fixed Windows | R-PG50 59x71.5-Type FW | +50 / -50 psf |

Product Dimensions:

| System | Overall Size |
|--------|---------------|
| 1 | 35" x 53" |
| 2 | 53" x 41" |
| 3 | 53" x 71-1/2" |
| 4 | 59" x 72" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|---------------------------------|
| 1-4 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Pella |
| | Product Name | ProLine – Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 |

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 (One of the Following):

Fin Installation: Use minimum Spruce-Pine-Fir dimension lumber for the wall framing. Secure the window to the wall framing using the roll-formed aluminum nailing fin of the window with minimum 2" long 11-gauge smooth shank roofing nails. The fasteners must be placed approximately 5" to 7" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Screw Installation: Use minimum Spruce-Pine-Fir dimension lumber for the wall framing. Secure the windows to the wall framing using the frame of the window with minimum No. 10 x 3-1/2" screws. Along the head and the sill, the fasteners must be placed approximately 5-1/2" from each corner and 16" on center. Along the side jambs, the fasteners must be placed approximately 3-3/4" from each corner and 16" on center. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Clip Installation: Use minimum Spruce-Pine-Fir dimension lumber for the wall framing. Secure the windows to the wall framing utilizing steel clips (2" x 6" x 0.050"). Along the head and the sill, the clips must be placed approximately 5-1/2" from each corner and 16" on center. Along each side jamb, the fasteners are located 3-3/4" from each corner and 16" on center. Each clip is bent 90-degrees to wrap the end of the clip around the interior face of the wall framing. Each clip is secured to the window with two No. 6 x 5/8" screws and secured to the wall framing with two No. 6 screws. The fasteners must be long enough to penetrate a 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, the IBC, and the Texas Revisions.