

Product Evaluation

WIN2359 | 0419

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-2359

Effective Date: April 1, 2019

Re-evaluation Date: March 2023

Product Name: Series 250 Vinyl Fixed Casement/Awning Windows, Fin and Frame Installation, 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	Pella 250 Series 1-Wide Vinyl Fixed Casement / Awning; Fin Install; O	LC-PG35 71.5 x 71.5-Type FW	+35/-35 psf
2	Pella 250 Series 2-Wide Vinyl Fixed Casement / Awning; Fin Install; O	LC-PG35 71.5 x 71.5-Type FW	+35/-35 psf
3	Pella 250 Series 1-Wide Vinyl Fixed Casement / Awning; Frame Install; O	LC-PG35 71.5 x 71.5-Type FW	+35/-35 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
4	Pella 250 Series 2-Wide Vinyl Fixed Casement / Awning; Frame Install; O	LC-PG35 71.5 x 71.5-Type FW	+35/-35 psf
5	Pella 250 Series 1-Wide Vinyl Fixed Casement / Awning; Fin Install; O	LC-PG50 59.5 x 59.5-Type FW	+50/-50 psf
6	Pella 250 Series 1-Wide Vinyl Fixed Casement / Awning; Frame Install; O	LC-PG50 59.5 x 59.5-Type FW	+50/-50 psf

Product Dimensions:

System	Overall Size	Fixed Glass Daylight Opening Size
1	71-1/2" x 71-1/2"	66-1/2" x 66-1/2"
2	71-1/2" x 71-1/2"	30-1/2" x 66-1/2"
3	71-1/2" x 71-1/2"	66-1/2" x 66-1/2"
4	71-1/2" x 71-1/2"	Two (2): 30-1/2" x 66-1/2"
5	59-1/2" x 59-1/2"	54-1/2" x 54-1/2"
6	59-1/2" x 59-1/2"	54-1/2" x 54-1/2"

Product Identification (Certification Label on Window):

System		
1, 3, 5, 6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella 250 Series – Fixed Casement/Awning
	Test Standards	AAMA/WDMA/CSA 101/1.S.2/A440-17
2, 4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella 250 Series – 2-Wide Fixed Casement/Awning
	Test Standards	AAMA/WDMA/CSA 101/1.S.2/A440-17

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Installation:

Systems 1 and 5 (Fin Installation): The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the assembly to the wall framing using the nailing fin with minimum No. 8 x 2" pan head screws and washers. Locate the fasteners approximately 4" from each corner and 4" on center along the perimeter of the assembly. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 2 (Fin Installation): The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the assembly to the wall framing using the nailing fin with minimum 11-gauge galvanized smooth shank roofing nails. Locate the fasteners approximately 4" from each corner and 8" on center along the perimeter of the assembly. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 3 (Frame Installation-Clips): The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with clips and minimum No. 10 x 2" pan head screws. Rigid plastic (PVC) installation clips (3" long x 1.325" wide x 0.060") are snapped into the perimeter of the frame and single screw connected with the No. 10 x 2" pan head screws to the wall framing located approximately 4" from each corner and an additional 5 clips spaced approximately 10-1/2" on center on each side of the frame. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 4 (Frame Installation-Clips): The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with clips and minimum No. 10 x 2" pan head screws. Rigid plastic (PVC) installation (3" long x 1.325" wide x 0.060") clips are snapped into the frame head and sill and single screw connected to the wall framing located approximately 4" and 16" from each corner and 4" and 8" on both sides of the centerline of the mullion. Clips are also snapped into the frame approximately 4" from each corner and 10-1/2" on center thereafter at both side jambs. Each clip is fastened to the wall framing with one (1) minimum No. 10 x 2" pan head screw. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 6 (Frame Installation-Clips): The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with clips and minimum No. 10 x 2" pan head screws. Rigid plastic (PVC) installation clips (3" long x 1.325" wide x 0.060") are snapped into the perimeter of the frame and single screw connected with the No. 10 x 2" pan head screws to the wall framing located approximately 5" from each corner and 13" on center on each side of the frame. Use fasteners 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.