

## Product Evaluation

WIN2358 | 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-2358

**Effective Date:** April 1, 2019

**Re-evaluation Date:** March 2023

**Product Name:** Series 250 Vinyl 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 High Performance Vent Awning; Fin Install; X	LC-PG50 59.5 x 43.5-Type AP	+50/-50 psf
2	Pella 250 Series 1-Wide Vinyl Vent Awning; Fin Install; X	LC-PG35 59.5 x 43.5-Type AP	+35/-35 psf
3	Pella 250 Series 1-Wide Vinyl Vent Awning; Fin Install; X	LC-PG35 47.5 x 43.5-Type AP	+35/-35 psf

**General Description (Continued):**

<b>System</b>	<b>Description</b>	<b>Label Rating</b>	<b>Design Pressure Rating</b>
4	Pella 250 Series 2-Wide Vinyl Fixed/Awning; Fin Install; OX	LC-PG35 107.5 x 43.5-Type AP	+35/-35 psf
5	Pella 250 Series 2-Wide Vinyl Fixed/Awning; Fin Install; XX	LC-PG35 107.5 x 43.5-Type AP	+35/-35 psf
6	Pella 250 Series 2-Wide Vinyl Fixed/Awning; Fin Install; XX	LC-PG35 95.5 x 43.5-Type AP	+35/-35 psf
7	Pella 250 Series 1-Wide Vinyl High Performance Vent Awning; Frame Install; X	LC-PG50 59.5 x 43.5-Type AP	+50/-50 psf
8	Pella 250 Series 1-Wide Vinyl High Performance Vent Awning; Frame Install; X	LC-PG50 59.5 x 43.5-Type AP	+50/-50 psf
9	Pella 250 Series 1-Wide Vinyl Vent Awning; Frame Install; X	LC-PG35 59.5 x 43.5-Type AP	+35/-35 psf
10	Pella 250 Series 1-Wide Vinyl Vent Awning; Frame Install; X	LC-PG35 47.5 x 43.5-Type AP	+35/-35 psf
11	Pella 250 Series 2-Wide Vinyl Fixed/Awning; Frame Install; OX	LC-PG35 107.5 x 43.5-Type AP	+35/-35 psf

**Product Dimensions:**

<b>System</b>	<b>Overall Size</b>	<b>Operating Sash Size</b>	<b>Fixed Sash Daylight Opening Size</b>
1	59-1/2" x 43-1/2"	57-1/2" x 41-3/4"	N/A
2	59-1/2" x 43-1/2"	57-1/2" x 41-3/4"	N/A
3	47-1/2" x 43-1/2"	45-3/4" x 41-3/4"	N/A
4	107-1/2" x 43-1/2"	51-3/4" x 41-3/4"	48-1/2" x 38-1/2"
5	107-1/2" x 43-1/2"	Two (2); 51-3/4" x 41-3/4"	N/A
6	95-1/2" x 43-1/2"	Two (2); 45-3/4" x 41-3/4"	N/A
7	59-1/2" x 43-1/2"	57-1/2" x 41-3/4"	N/A
8	59-1/2" x 43-1/2"	57-1/2" x 41-3/4"	N/A
9	59-1/2" x 43-1/2"	57-1/2" x 41-3/4"	N/A
10	47-1/2" x 43-1/2"	45-3/4" x 41-3/4"	N/A
11	107-1/2" x 43-1/2"	51-1/2" x 41-3/4"	48-1/2" x 38-1/2"

**Product Identification (Certification Label on Window):**

System		
1-11	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella 250 Series – Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

**Impact Resistance:**

System	Impact Resistant	Requirement
1-11	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:**

**System 1 (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 approximately 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, 3, 4, 5, and 6 (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 approximately 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.

**Systems 7 and 9 (Frame Installation-Screws/Clips):** The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with minimum No. 10 x 2" pan head screws. Along the head, locate the fasteners approximately 3-1/4" from each corner and three (3) additional screws approximately 13-1/4" on center. Along each side jamb, locate the fasteners approximately 3-1/4" from the bottom corner, 10" on center, and 4-3/4" from the top of the jamb. Rigid plastic (PVC) installation clips (3" long x 1.325" wide x 0.060") are snapped into the frame sill and single screw connected to the wall framing with minimum No. 10 x 2" pan head screws located approximately 4" from each corner and 10-1/4" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 8 (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 10-1/4" 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 10 (Frame Installation-Screws/Clips):** The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with minimum No. 10 x 2" pan head screws. Along the head, locate the fasteners approximately 3-1/4" from each corner and three (3) additional screws approximately 13-1/4" on center. Along each side jamb, locate the fasteners approximately 3-1/4" from the bottom corner, 10" on center, and 4-3/4" from the top of the jamb. Rigid plastic (PVC) installation clips (3" long x 1.325" wide x 0.060") are snapped into the frame sill and single screw connected to the wall framing with minimum No. 10 x 2" pan head screws located approximately 4" from each corner and 10" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 11 (Frame Installation-Screws/Clips):** The wall framing must be minimum Spruce-Pine-Fir dimension lumber. Secure the window frame to the wall framing with minimum No. 10 x 2" pan head screws. Along the jamb of the vent unit, five (5) anchors are used, located approximately 3-1/4", 13-1/8", 23", 32-7/8", and 38-7/8" measured from the sill of that unit. On the head of the vent unit, five (5) anchors are used, located approximately 3-1/4" from each corner and 11-3/4" on center. Rigid plastic (PVC) installation clips (3" long x 1.325" wide x 0.060") are snapped into the frame and single screw connected to the wall framing with minimum No. 10 x 2" pan head screws. One (1) fastener is required per clip. Installation clips are required at the frame sill, located approximately 4" from each corner, 4" and 8" offset on either side of the transition mullion, and spaced 10-7/16" on center. On the side jamb of the fixed unit, installation clips are required approximately 4" from each corner and 11-7/8" on center. At the head of the fixed unit, installation clips are required approximately 4" from each corner, 4" and 8" from the center of the transition mullion, and 10-7/16" on center. 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.