



Product Evaluation

WIN1956 | 1214

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-1956

Effective Date: December 1, 2014

Re-evaluation Date: December 2018

Product Name: Series 250 Vinyl Fixed Windows, New and Replacement Construction, 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	Series 250 Vinyl Fixed Windows; New Construction	CW-PG50 60x60-FW	+50 / -50 psf
2	Series 250 Vinyl Fixed Windows; New Construction	CW-PG30 72x72-FW	+30 / -30 psf
3	Series 250 Vinyl Fixed Windows; New Construction	CW-PG30 108x60-FW	+30 / -30 psf
4	Series 250 Vinyl Fixed Windows; Two Wide; New Construction	LC-PG30 96x72-FW	+30 / -30 psf
5	Series 250 Vinyl Fixed Windows; Replacement Construction	CW-PG50 60x60-FW	+50 / -50 psf
6	Series 250 Vinyl Fixed Windows; Replacement Construction	CW-PG30 72x72-FW	+30 / -30 psf
7	Series 250 Vinyl Fixed Windows; Two Wide; Replacement Construction	LC-PG30 96x72-FW	+30 / -30 psf

Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1	60" x 60"	55-3/4" x 55-3/4"
2	72" x 72"	67-3/4" x 67-3/4"
3	108" x 60"	103-3/4" x 55-3/4"
4	96" x 72"	Two (2): 43-1/2" x 67-3/4"
5	60" x 60"	55-3/4" x 55-3/4"
6	72" x 72"	67-3/4" x 67-3/4"
7	96" x 72"	Two (2): 43-1/2" x 67-3/4"

Product Identification (Certification Label on Window):

System		
1-7	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella
	Product Name	250 Series – Fixed Frame/Special Shapes
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-7	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	11 gauge smooth shank roofing nails
	Fastener Location/Spacing	Approximately 5" on center and at the corner along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing members
2, 3	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	11 gauge smooth shank roofing nails
	Fastener Location/Spacing	Approximately 10" on center and at the corner along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing members
4	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	11 gauge smooth shank roofing nails
	Fastener Location/Spacing	Approximately 10" on center and at the corner along the perimeter of the window. Five fasteners, spaced approximately 2" apart are centered around each end of the transition bar
	Fastener Penetration	Minimum 1-1/2" into the wall framing members

Installation (Continued):

System		
5	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	No. 10 x 2" pan head screws
	Fastener Location/Spacing	Approximately 4" from each corner and 17-5/16" on center along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing members
6	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	No. 10 x 2" pan head screws
	Fastener Location/Spacing	Approximately 4" from each corner and 12-7/8" on center along the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into the wall framing members
7	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	No. 10 x 2" pan head screws
	Fastener Location/Spacing	<u>Head:</u> Approximately 4" from each corner, 3" and 6" on each side of the transition bar, and spaced 12-5/8" on center. <u>Side jambs:</u> Approximately 4" from each corner and 12-7/8" on center in between. <u>Sill:</u> PVC clips (3"x1.35"x0.066") secured to accessory groove with screws. Located 4" from each corner, 4" and 8" on each side of the transition bar, and spaced 12" on center between.
	Fastener Penetration	Minimum 1-1/2" into the wall framing members

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