

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-690

Effective Date: February 1, 2014

Reevaluation Date: **May 2016**

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.

Series 10 Flange Frame Vinyl Single Hung Windows, One Wide, Non-impact Resistant, manufactured by

Pella Corporation

102 Main Street

Pella, Iowa 50219

Telephone: (641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	LC-PG45 54x90-Type H	± 45 psf
2	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	LC-PG50 54x63-Type H	± 50 psf
3	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	LC-PG65 52.125x50-Type H	± 65 psf
4	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	LC-PG50 48x73-Type H	± 50 psf
5	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	R-PG40 36x90-Type H	± 40 psf
6	Series 10 Flange Frame Vinyl Single Hung Windows; (O/X)	R-PG55 36x62-Type H	± 55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	54.00" x 90.00"	52.00" x 35.00"	50.88" x 51.00"
2	54.00" x 63.00"	52.00" x 30.75"	50.88" x 28.13"
3	52.13" x 50.00"	50.13" x 24.50"	49.00" x 21.81"
4	48.00" x 73.00"	46.00" x 35.00"	44.88" x 34.00"
5	36.00" x 90.00"	34.00" x 35.00"	32.88" x 51.00"
6	36.00" x 62.00"	34.00" x 30.31"	32.88" x 27.63"

Product Identification (Certification Agency Label on Window):

System		
1 thru 6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	10 Basic New Construction Single Hung One Wide
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System 1: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6 and 48 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 17, 27, 32, 40, 45, 64.5, and 84 inches measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 6 and 48 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6, 20, 34, and 48 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 22, 28, 35, 41, and 57 inches measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 6, 20, 34, and 48 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 3: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6, 19, 33, and 46 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 16, 21, 29, 34, and 44 inches measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 6, 19, 33, and 46 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 4: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6, 18, 30, and 42 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 17, 27, 33, 40, 46, 56, and 67 measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 6, 18, 30, and 42 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 5: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6, 18, and 30 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 17, 27, 32, 45, 65, and 84 inches measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 9 and 27 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 6: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 screws. The head is secured to the wall framing with fasteners spaced approximately 6, 18 and 30 inches from the left jamb. Each side jamb is secured to the wall framing with fasteners spaced approximately 6, 22, 27, 35, 40, and 56 inches measured from the sill. A snap-in rigid vinyl installation clip is secured to the sill and secured to the wall framing with screws placed side by side. The clips are located 6 and 30 inches from the left jamb. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.