



Product Evaluation

WIN1036 | 1115

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-1036

Effective Date: October 1, 2014

Revised: November 1, 2015

Re-evaluation Date: November 2017

Product Name: Series 10/20 Vinyl Single Hung Windows, Two Wide, 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 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); New Construction	R-PG35 72 x 54-Type H	± 35 psf
2	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); New Construction	R-PG35 96 x 53.50-Type H	± 35 psf
3	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); New or Replacement Construction	R-PG35 72 x 72-Type H	± 35 psf
4	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); New Construction	R-PG30 96 x 72-Type H	± 30 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
5	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); Replacement Construction	R-PG30 96 x 72-Type H	± 30 psf
6	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); New Construction	R-PG50 72 x 65.50-Type H	± 50 psf
7	Series 10/20; Two Wide Vinyl Single Hung Windows; (O/X O/X); Replacement Construction	R-PG50 72 x 65.50-Type H	± 50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Glass Daylight Opening Size
1	72.00" x 53.50"	33.75" x 26.00"	32.75" x 23.44"
2	96.00" x 53.50"	45.75" x 26.00"	44.75" x 23.44"
3	72.00" x 72.00"	33.75" x 26.00"	32.75" x 32.94"
4	96.00" x 72.00"	45.75" x 35.00"	44.75" x 33.94"
5	96.00" x 72.00"	45.75" x 35.00"	44.75" x 33.94"
6	72.00" x 65.50"	33.75" x 32.00"	32.75" x 29.44"
7	72.00" x 65.50"	32.75" x 32.00"	32.75" x 29.44"

Product Identification (Certification Agency Label on Window):

System		
1-7	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Therma Star by Pella
	Product Name	Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

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:

- **Systems 1-4, and 6:** At a minimum, use Spruce-Pine-Fir dimension lumber for the wood framing members. Mount the windows to the wood wall framing members using the nailing fin of the window with minimum 12-gauge x 2" smooth shank roofing nails. Position the nails along the head, jambs, and sill, nails 2" from each corner and 8" on center maximum spacing. Locate four nails along the head and sill at each mullion, spaced approximately 3" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wood framing.
- **Systems 3, 5, and 7:** At a minimum, use Spruce-Pine-Fir dimensioned lumber for the wood-framing members. Mount the windows to the wood wall framing members through the window frame side jambs with No.10 x 2" long screws located 4" from the head and sill corners, 9"

above and below the fixed meeting rail center line, and spaced at no more than 18" on center. Along the sill, 3" long x 1-5/16" x 1/16" thick rigid PVC mullion clips are required 4" and 8" on either side of the mullion joint. Each clip is secured to the wall framing with one (1) minimum No. 10 x 2" screw. Use screws long enough to penetrate a minimum of 1-1/2" into the wood framing.

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