



# Product Evaluation

WIN816 | 1116

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-816

**Effective Date:** September 1, 2015

**Revised Date:** October 1, 2016

**Re-evaluation Date:** January 2019

**Product Name:** ThermaStar Series 20 Vinyl Double Hung, Double and Single Lock Windows, 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	Series 20 Vinyl Double Hung, Single Lock Window, (X/X)	R-PG50 30 x 72 - Type H	+50 / -50 psf
2	Series 20 Vinyl Double Hung, Double Lock Window, (X/X)	R-PG50 48 x 72 - Type H	+50 / -50 psf
3	Series 20 Vinyl Double Hung, Single Lock Window, (X/X)	R-PG40 36 x 62 - Type H	+40 / -40 psf
4	Series 20 Vinyl Double Hung, Single Lock Window, (X/X)	R-PG40 36 x 72 - Type H	+40 / -40 psf
5	Series 20 Vinyl Double Hung, Single Lock Window, (X/X)	R-PG30 48 x 62 - Type H	+30 / -30 psf
6	Series 20 Vinyl Double Hung, Single Lock Window, (X/X)	R-PG30 48 x 78 - Type H	+30 / -30 psf

**Product Dimensions:**

System	Overall Size	Upper Sash Size	Lower Sash Size
1	30" x 72"	27-1/4" x 35-1/2"	27-1/4" x 35-1/2"
2	48" x 72"	45-1/4" x 35-1/2"	45-1/4" x 35-1/2"
3	36" x 62"	33-1/4" x 30-1/2"	33-1/4" x 30-1/2"
4	36" x 72"	33-1/4" x 35-1/2"	33-1/4" x 35-1/2"
5	48" x 62"	45-1/4" x 30-1/2"	45-1/4" x 30-1/2"
6	48" x 78"	45-1/4" x 38-1/2"	45-1/4" x 38-1/2"

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

System		
1-6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name and License Number	Double Hung Window License Number: 411-H-862
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**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.

**Installation:**

System		
1-6	Type of Installation	Wood Frame
	Wall Framing	Spruce Pine Fir Dimension Lumber
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing
	Fasteners	#10 x 2" pan head screws
	Fastener Location/Spacing	<ul style="list-style-type: none"> <li>Systems 1, 2: Place screws through the window jambs using the pre-drilled holes (spaced 4" from each corner and at 9" above and below the center line of the check rails, and at 16" on center (maximum) in between).</li> <li>Systems 4-6: Place screws through the window jambs using the pre-drilled holes (spaced 4" from each corner and at 9" above and below the center line of the check rails).</li> </ul>

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