

Product Evaluation

WIN2397 | 1021

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-2397

Effective Date: October 1, 2021

Re-evaluation Date: October 2025

Product Name: Premium Vinyl (V-4500) Tilt Single Hung Windows, Non-Impact Resistant

Manufacturer: JELD-WEN Windows and Doors
Research and Development
3737 Lakeport Blvd.
Klamath Falls, OR 97601
(541) 850-2650

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Premium Vinyl (V-4500) Tilt Single Hung Windows; O/X	LC-PG35 (48 x 96)-H	+35 / -40 psf
2	Premium Vinyl (V-4500) Tilt Single Hung Windows; O/X	LC-PG50 (48 x 84)-H	+50 / -55 psf
3	Premium Vinyl (V-4500) Tilt Single Hung Windows; O/X	LC-PG50 (52 x 75)-H	+50 / -55 psf
4	Premium Vinyl (V-4500) Tilt Single Hung Flanker Windows; O/X.O.O/X	R-PG35 (120 x 84)-H	+35 / -40 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
5	Premium Vinyl (V-4500) Tilt Single Hung Flanker Windows; O/X.O.O/X	LC-PG50 (108 x 72)-H	+50 / -55 psf
6	Premium Vinyl (V-4500) Triple Tilt Single Hung Windows; O/X.O/X.O/X	LC-PG35 (120 x 84)-H	+35 / -40 psf
7	Premium Vinyl (V-4500) Triple Tilt Single Hung Windows; O/X.O/X.O/X	LC-PG50 (114 x 72)-H	+50 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	48.15" x 95.87"	45.47" x 46.89"	44.29" x 45.08"
2	48" x 84"	45.50" x 41.13"	44.25" x 39.06"
3	52" x 75"	49.61" x 36.69"	48.39" x 34.61"
4	119.84" x 83.94"	Two: 21.02" x 41.14"	Single Hung: 19.84" x 39.17" Center: 68.27" x 79.33"
5	108.03" x 71.97"	Two: 20.94" x 35.12"	Single Hung: 19.84" x 33.23" Center: 56.06" x 67.28"
6	120.04" x 83.94"	Left & Right: 45.51" x 41.14" Center: 20.55" x 41.14"	Left & Right: 44.29" x 39.13" Center: 14.291" x 39.134"
7	114" x 72"	Left & Center: 45.50" x 35.13" Right: 14.50" x 35.13"	Left & Center: 44.25" x 33.07" Right: 13.25" x 33.07"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-12, JW-14, JW-18
	Product Name	Premium Vinyl (V-4500) Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4-5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-12, JW-14, JW-18
	Product Name	Premium Vinyl (V-4500) Tilt SH Flanker
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6-7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-12, JW-14, JW-18
	Product Name	Premium Vinyl (V-4500) Triple Tilt SH
	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:

System		
1	Type of Installation	Install in accordance with JELD-WEN drawing report No. NCTL-110-16-144, titled "Premium Vinyl Tilt Single Hung," dated April 27, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
2	Type of Installation	Install in accordance with JELD-WEN drawing report No. G511704-301-47, titled "Premium Vinyl Tilt Single Hung," dated July 13, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 13, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
3	Type of Installation	Install in accordance with JELD-WEN drawing report No. 110-16-150, titled "Premium Vinyl Tilt Single Hung," dated May 20, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
4	Type of Installation	Install in accordance with JELD-WEN drawing report No. NCTL-110-17-034, titled "Premium Vinyl Tilt Single Hung Window- XOX," dated May 26, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
5	Type of Installation	Install in accordance with JELD-WEN drawing report No. 110-17-042, titled "Premium Vinyl Tilt Single Hung Window- XOX," dated May 3, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
6	Type of Installation	Install in accordance with JELD-WEN drawing report No. 110-17-033, titled "Premium Vinyl Tilt Single Hung Window XXX," dated May 20, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

Installation:

System		
7	Type of Installation	Install in accordance with JELD-WEN drawing report No. ESP025213P, titled "Premium Vinyl Tilt Single Hung Window XXX," dated May 20, 2021. Signed and sealed by Joseph A. Reed, P.E. on July 12, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.