



Product Evaluation

WIN1153 | 1015

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-1153

Effective Date: October 1, 2015

Re-evaluation Date: October 2016

Product Name: Builders Vinyl V-2500 Single Hung Windows, Fin Installation, Non-impact Resistant

Manufacturer: JELD-WEN Windows & Doors
3737 Lakeport Blvd.
Klamath Falls, OR 97601
(800) 535-3936

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Vinyl Tilt Single Hung Windows, FIN Installation	R-PG50 48x77-H (REINF)	+50 / -50 psf
2	Builders Vinyl Tilt Single Hung Windows, FIN Installation	R-PG35 36x84-H (MODIF)(REINF)	+35 / -35 psf
3	Builders Vinyl Tilt Single Hung Windows, FIN Installation	R-PG35 48x72-H (MODIF)(REINF)	+35 / -40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Glass Daylight Opening Size
1	48" x 77"	46" x 38-5/16"	45-1/4" x 36-5/16"
2	36" x 84"	34-1/16" x 41-15/16"	33-1/4" x 39-15/16"
3	48" x 72"	46" x 35-3/4"	45-1/4" x 33-5/8"

Product Identification (Certification Label on Window):

System		
1, 2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-6 or JW-18
	Product Name	Builders Vinyl Tilt SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**System 1 (One of the Following):**

Nail Fin Installation: The wall framing must be minimum Spruce-Pine-Fir dimension lumber. The window must be fastened to wall framing using the nailing fin of the window with minimum No. 8 wood screws. The fasteners must be spaced approximately 4" from each corner and approximately 10" on center along the perimeter of the window. Along the jambs, there is an additional fastener located at mid-span. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Through Frame Installation: The wall framing must be one of the following:

- Spruce-Pine-Fir dimension lumber;
- Concrete (cast-in-place or precast, minimum 3,000 psi);
- Concrete block (grout filled, ASTM C-90, grade N, Type 1); or
- Steel (minimum 18-gauge).

The window must be fastened to the wall framing using the frame of the window. Along the jambs, fasteners must be located approximately 4" from each corner and spaced 11-1/2" thereafter. At the head and sill, the fasteners must be located 4" from each end and at mid-span. For wood wall framing, the fasteners must be minimum No. 8 screws. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members. For concrete or concrete block wall framing, the fasteners must be minimum 3/16" diameter Tapcons. The fasteners must be long enough to penetrate a minimum of 1-1/4" into the wall framing members. For steel wall framing, the fasteners must be minimum No. 8 ITW Tek screws. The fasteners must be long enough to penetrate a minimum of three (3) threads through the steel framing.

Systems 2 and 3:

Nail Fin Installation: The wall framing must be minimum Spruce-Pine-Fir dimension lumber. The window must be fastened to wall framing using the nailing fin of the window with minimum No. 8 wood screws. The fasteners must be spaced approximately 4" from each corner and approximately 8" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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