



Product Evaluation

WIN1335 | 0416

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-1335 **Effective Date:** April 1, 2016
Re-evaluation Date: January 2019

Product Name: Builders Atlantic Aluminum (4100) Single Hung Windows, Individual, Fin and Frame Installation, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Aluminum (4100) Single Hung Window	R-PG50 52 x 72-H	+50, -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
1	52-1/8" x 72"	50-1/4" x 36-1/4"	49-3/4" x 33"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-19
	Product Name	Builders Aluminum (4100) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

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

Installation (One of the following)

Fin Installation to Wood: Use minimum Spruce-Pine-Fir dimension lumber for the wall framing. Secure window to wall framing using the window-nailing fin with minimum No. 8 screws. Locate fasteners, long enough to penetrate a minimum of 1-1/2" into the wall framing, approximately 4-1/2" from each corner and 13" on center along the perimeter of the window.

Frame Installation to Wood: Use minimum Spruce-Pine-Fir dimension lumber for the wall framing. Set window in a bed of silicone. Secure window to wall framing members using the window frame head and side jambs with minimum No. 10 screws. Locate fasteners, long enough to penetrate a minimum of 2" into the wall framing, approximately 4-1/2" from each corner and 13" on center along the head, and approximately 4-1/2" from each corner and 7" on center along each side jamb.

Frame Installation to Concrete or CMU: Use precast concrete, cast in place concrete, or grout-filled concrete masonry units (CMU) for the wall construction. Set window in a bed of silicone. Secure window to wall framing members using the window frame head and side jambs with minimum 3/16" diameter Tapcons. Locate fasteners, long enough to penetrate a minimum of 1-3/4" into the wall construction and a minimum of 3" from the edge of the opening, approximately 4-1/2" from each corner and 13" on center along the head and approximately 4-1/2" from each corner and 7" on center along each side jamb.

Frame Installation to Steel: Use minimum 12-gauge steel for the wall framing. Set window in a bed of silicone. Secure window to wall framing members using the window frame head, sill, and side jambs with minimum No. 10 Tek screws. Locate fasteners, long enough to penetrate through the steel framing a minimum of 3 threads, approximately 4-1/2" from each corner and 13" on center along the head, and approximately 4-1/2" from each corner and 7" on center along each side jamb.

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.