



# Product Evaluation

WIN940 | 1014

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-940

**Effective Date:** October 1, 2014

**Re-evaluation Date:** August 2017

**Product Name:** Premium Atlantic Vinyl 8700F Stationary Casement Windows, Individual, New and Replacement Construction, Impact Resistant

**Manufacturer:** JELD-WEN Windows & Doors  
Venice Window Division  
355 Center Court  
Venice, FL 34285  
(941) 497-1984  
www.jeld-wen.com

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Premium Atlantic Vinyl 8700F Stationary Casement Window (FIN)	R-PG50 36x72-FW Missile Level D	+50, -50 psf
2	Premium Atlantic Vinyl 8700F Stationary Casement Window (FLANGE)	R-PG50 36x72-FW Missile Level D	+50, -50 psf
3	Premium Atlantic Vinyl 8700F Stationary Casement Window (FIN)	R-PG50 48x72-FW Missile Level D	+50, -50 psf
4	Premium Atlantic Vinyl 8700F Stationary Casement Window (FLANGE)	R-PG50 48x72-FW Missile Level D	+50, -50 psf

### Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1, 2	36.00" x 72.00"	30.00" x 66.00"
3, 4	47.50" x 71.50"	41.50" x 65.50"

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

System		
1, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-19
	Product Name	PAV Casement Picture (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506; Missile Level D
2, 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-19
	Product Name	PAV Casement Picture (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-4	Yes	These products satisfy TDI's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:****Design Drawings:**

- **Systems 1 and 2:** Install the windows in accordance with Drawing No. NCTL210-3914-1A-TDI, titled "Premium Atlantic Vinyl Impact Stationary Casement Window," sheets 1 through 4 of 4, dated October 15, 2013, signed and sealed by Alexis Spyrou, P.E on October 22, 2013. The evaluation report refers to the stated drawings as the approved drawings.
- **Systems 3 and 4:** Install the windows in accordance with Drawing No. NCTL210-3913-1A-TDI, titled "Premium Atlantic Vinyl Impact Stationary Casement Window," sheets 1 through 4 of 4, dated October 15, 2013, signed and sealed by Alexis Spyrou, P.E on October 22, 2013. The evaluation report refers to the stated drawings as the approved drawings.

**Wall Framing Construction:** Mount the windows to several types of wall framing construction. The types of wall framing construction allowed include:

- concrete (minimum compressive strength: 3,000 psi)
- hollow concrete block; ASTM C-90
- wood dimension lumber (minimum Spruce-Pine-Fir (minimum S.G. of 0.42)
- steel (18 gauge, 33 ksi).

**Installation Details:** The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**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 International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.