

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

WIN-761

Effective Date: July 1, 2014  
Reevaluation Date: **April 2017**

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.

**Premium Atlantic Vinyl Series 8100 Single Hung Windows, Individual, Impact Resistant,**  
manufactured by

**JELD-WEN Windows & Doors**  
**Venice Window Division**  
**355 Center Court**  
**Venice, Florida 34285**  
**Telephone: (800) 869-6699**  
**www.jeld-wen.com**

### General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Premium Atlantic Vinyl Series 8100 Single Hung Window; FIN	LC-PG50 52 x 75-H; AAMA 506-06	+50/-60
2	Premium Atlantic Vinyl Series 8100 Single Hung Window; FLANGE	LC-PG50 52 x 75-H; AAMA 506-06	+50/-60
3	Premium Atlantic Vinyl Series 8100 Single Hung Window; FIN	LC-PG65 52 x 75-H; AAMA 506-06	+65/-75
4	Premium Atlantic Vinyl Series 8100 Single Hung Window; FLANGE	LC-PG65 52 x 75-H; AAMA 506-06	+65/-75
5	Premium Atlantic Vinyl Series 8100 Single Hung Window; FIN	LC-PG65 36 x 72-H; AAMA 506-06	+65/-70
6	Premium Atlantic Vinyl Series 8100 Single Hung Window; FLANGE	LC-PG65 36 x 72-H; AAMA 506-06	+65/-70

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed daylight Opening Size
1	52.13" x 75.00"	49.38" x 37.25"	48.63" x 34.00"
2	52.13" x 75.00"	49.38" x 37.25"	48.63" x 34.00"
3	52.13" x 75.00"	49.38" x 37.25"	48.63" x 34.00"
4	52.13" x 75.00"	49.38" x 37.25"	48.63" x 34.00"
5	36.00" x 72.00"	33.25" x 34.75"	29.88" x 32.50"
6	36.00" x 72.00"	33.25" x 34.75"	29.88" x 32.50"

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

System		
1, 3, 5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-7
	Product Name	PAV SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506; Missile Level D
2, 4, 6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-7
	Product Name	PAV SH (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506; Missile Level D

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Installation:**

**Design Drawings:**

**Systems 1 and 2:** The windows shall be installed in accordance with Drawing No. NCTL210-3874-1-TDI, titled "Premium Atlantic Vinyl Impact Single Hung Window," sheets 1 through 1 and Sheets 1 through 3 of 3, dated July 16, 2013, signed and sealed by Alexis Spyrou, P.E on August 2, 2013. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Systems 3 and 4:** The windows shall be installed in accordance with Drawing No. NCTL210-3873-1-TDI, titled "Premium Atlantic Vinyl Impact Single Hung Window," sheets 1 through 1 and Sheets 1 through 3 of 3, dated July 16, 2013, signed and sealed by Alexis Spyrou, P.E on August 2, 2013. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Systems 5 and 6:** The windows shall be installed in accordance with Drawing No. NCTL210-3875-1-TDI, titled "Premium Atlantic Vinyl Impact Single Hung Window," sheets 1 through 1 and Sheets 1 through 3 of 3, dated July 16, 2013, signed and sealed by Alexis Spyrou, P.E on August 2, 2013. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Wall Framing Construction:** The windows may be mounted 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 shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.