



# Product Evaluation

WIN2046 | 1215

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-2046

**Effective Date:** December 1, 2015

**Re-evaluation Date:** January 2019

**Product Name:** AW-5440 Vinyl Awning Windows, Fin-Mounted and Replacement, Individual, Non-Impact Resistant

**Manufacturer:** PGT Industries  
1070 Technology Drive  
North Venice, FL 34275  
(941) 486-0100 (Ext. 21142)

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	AW-5440 Vinyl Awning Windows, replacement (X)	LC-PG65 52 X 42-AP	+65 / -70 psf
2	AW-5440 Vinyl Awning Windows, fin-mounted (X)	LC-PG50 60 X 42-AP	+50 / -50 psf

### Product Dimensions:

System	Overall Size	Operable Daylight Opening Size
1	52-1/8" x 42"	45-1/2" x 35-1/4"
2	62-3/4" x 44-3/4"	53-3/8" x 35-1/4"

### Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	Keystone Certifications, Inc.
	Manufacturer's Name or Code Name	System 1, CAR # 190-1064 System 2: CAR # 190-1063
	Product Name	Model AW 5440 PVC Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in the Inland I and Seaward zones.

**Installation:**

System		
2 (FIN)	Type of Installation	Wood Frame
	Wall Framing	Southern Pine (SPG $\geq$ 0.55) Dimension lumber
	Fasteners	Minimum 8d Common Ring-Shank Nails (2-1/2" long, 0.131" diameter)
	Fastener Penetration	Minimum 1-7/16" into the wall framing
1 (FINLESS)	Type of Installation	Wood Frame
	Wall Framing	Southern Pine (SPG $\geq$ 0.55) Dimension lumber
	Fasteners	Minimum No. 10 x 1-3/4" Phillips Head, 18-8 or 410 Stainless Steel Sheet Metal Screws  or Minimum No. 12 x 1-3/4" Phillips Head, 18-8 or 410 Stainless Steel Sheet Metal Screws
	Fastener Penetration	Minimum 1-1/2" into the wall framing

**Supplemental Installation Instructions:**

- **Design Drawing:** Install the windows in accordance with Drawing No. TDI-AW5440.1, titled "Vinyl Awning Window TDI (Non-Impact)," sheets 1 through 4 of 4, dated March 20, 2015, signed and sealed by A. Lynn Miller, P.E., on March 20, 2015. This evaluation report refers to the stated drawings as the approved drawings.

**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.