



Product Evaluation

WIN2048 | 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-2048

Effective Date: December 1, 2015

Re-evaluation Date: July 2018

Product Name: PW-5440 Vinyl Fixed Casement 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	PW-5440 Vinyl Fixed Casement Windows, fin-mounted, with a 7/8" nominal insulated glass lite composed of two 3/16" tempered glass sections (O)	CW-PG70 120 X 60-FW	+70 / -70 psf
2	PW-5440 Vinyl Fixed Casement Windows, replacement, with a 7/8" nominal insulated glass lite composed of two 3/16" tempered glass sections (O)	CW-PG70 120 X 60-FW	+70 / -70 psf
3	PW-5440 Vinyl Fixed Casement Windows, replacement, with a 1" nominal insulated glass lite composed of two 1/4" annealed glass sections (O)	CW-PG50 96 X 63-FW	+50 / -50 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	122-3/4" x 62-3/4"	115-11/16" x 55-11/16"
2	120" x 60"	115-11/16" x 55-11/16"
3	96" x 63"	91-11/16" x 58-11/16"

Product Identification (Certification Label on Window):

System		
1, 2, 3	Certification Agency	Keystone Certifications, Inc.
	Manufacturer's Name or Code Name	System 1, 2: CAR # 190-1017 System 3: CAR # 190-1011
	Product Name	Model 5420/5440 PVC Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	No	Provide an impact protective system when installing the product in the Inland I and Seaward zones.

Installation:

System		
1 (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 2-7/16" into the wall framing
2, 3 (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-PW5440.1, titled "Vinyl Fixed Window TDI (Non-Impact)," sheets 1 through 4 of 4, dated March 18, 2015, signed and sealed by A. Lynn Miller, P.E., on March 18, 2015. This evaluation report refers to the stated drawings as the approved drawings.

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