



Product Evaluation

WIN937 | 0716

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-937

Effective Date: July 1, 2016

Re-evaluation Date: August 2018

Product Name: PW-520 Vinyl Fixed Windows, Impact Resistant

Manufacturer: PGT Industries
1070 Technology Drive
North Venice, FL 34275
(941) 480-1600

General Description:

System	Description	Label Rating	Design Pressure Rating
1	PW-520 Vinyl Fixed Windows	FW-C80 96 x 60 Missile Level D; DP +/-80	+80 / -80 psf
2	PW-520 Vinyl Fixed Windows	FW-C80 75 x 60 Missile Level D; DP +/-70	+70 / -70 psf
3	PW-520 Vinyl Fixed Windows	FW-C75 48 x 62 Missile Level D; DP +/-75	+75 / -75 psf

Product Dimensions:

System	Overall Window Size	Glass Daylight Opening Size
1	96.00" x 60.00"	92.00" x 56.00"
2	75.00" x 60.00"	71.00" x 56.00"
3	48.00" x 62.00"	44.00" x 58.00"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 190-474, CAR 190-227
	Product Name	PW-520 PVC Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05, ASTM E 1996-05
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 190-475, CAR 190-230
	Product Name	PW-520 PVC Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05, ASTM E 1996-05
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 190-701, CAR 190-232
	Product Name	PW-520 PVC Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05, ASTM E 1996-05

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	Yes	These products satisfy TDI's windborne debris protection criteria in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

- **Design Drawings:** Drawing No. TDI-PW520.1 titled "Picture Window," sheets 1 through 3, dated September 9, 2013, signed and sealed by Anthony Lynn Miller, PE on June 19, 2014. The evaluation report refers to the stated drawings as the approved drawings.
- **Wall Framing Construction:** The windows may be mounted to several types of wall framing construction. The types of wall framing construction allowed, as specified on the approved drawings, include:
 - Concrete (minimum compressive strength: 2,700 psi)
 - hollow concrete block; ASTM C-90
 - wood dimension lumber (minimum Southern Yellow Pine)
 - steel (20 gauge, 33 ksi)
 - steel (A36, minimum 0.125"),
 - aluminum (6063-T5, minimum 0.125").

Installation: Refer to Sheet 1 of 3 through 3 of the approved drawings for the installation details.

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.