



Product Evaluation

WIN746 | 0415

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-746

Effective Date: April 1, 2015

Re-evaluation Date: December 2017

Product Name: Series 450/460 Vinyl Picture Windows, New Construction, Individuals, Non-Impact Resistant

Manufacturer: Atrium Windows & Doors
9001 Ambassador Row
Dallas, TX 75247
(214) 637-2696

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 450/460 (FIN) Vinyl, Picture Windows; New Construction; (O)	FW-C50 (72 X 72)	+50 / -50 psf
2	Series 450/460 (FIN) Vinyl, Picture Windows; New Construction; (O)	FW-R50 (50 X 86)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1	72" x 72"	67" x 67"
2	50" x 86"	45" x 81"

Product Identification (Certification Label on Window):

System		
1,2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-1
	Product Name	Series 450/460 PW
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1-2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 2 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 3/4" wood screws
	Fastener Location/Spacing	Drive fasteners around the entire window perimeter through the nail fin at 2" from each corner centerline and at 8" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

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