

Product Evaluation

WIN2112 | 1020

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-2112

Effective Date: October 1, 2020

Re-evaluation Date: March 2024

Product Name: Series 9070 Vinyl Fixed Windows, Fin Installation, Impact Resistant

Manufacturer: Shwinco Architectural Products, LLC
171 Jet Services Way
Dothan, AL 36303
(334) 556-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 9070 Vinyl Fixed Windows	FW-R50 (53 x 84) Missile Level D	+50 / -50 psf
2	Series 9070 Vinyl Fixed Windows	F-HC120 (72 x 72) Missile Level D	+120 / -120 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	52-1/2" x 83-1/2"	48-1/2" x 79-1/2"
2	72" x 72"	67" x 67"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products
	Product Name	9070 Vinyl Impact Rated Fixed Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-02,05 Missile Level D
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products
	Product Name	9000/9070 Vinyl Impact Rated Fixed Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-02,05 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using the nailing fin. The nailing fin is secured to the wall framing using minimum 2" long, 12-gauge, smooth shank roofing nails. Locate the nails approximately 3" from each corner and 8" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window frame is secured to the wall framing using No. 10 x 2" PFH screws located approximately 1-1/2" from each corner and spaced 13-1/2" on center thereafter along the perimeter of the window. The nailing fin is secured to the wall framing using minimum 1-3/4" long smooth shank roofing nails located 3" from each corner and 8" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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