



Product Evaluation

WIN2023 | 0316

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-2023

Effective Date: July 1, 2015

Revised: March 1, 2016

Re-evaluation Date: January 2018

Product Name: Series 9000 Vinyl Single Hung Windows, 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 9000 Vinyl Single Hung Windows; 2" Sill Riser	H-C100 53 x 74 Missile Level D	+100 / -110 psf
2	Series 9000 Vinyl Single Hung Windows; 1-3/4" Sill Riser	H-C70 53 x 74 Missile Level D	+70 / -110 psf
3	Series 9000 Vinyl Single Hung Windows	LC-PG60 53 x 96-H Missile Level D	+60 / -70 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
1	53" x 74"	49-5/8" x 36-1/4"	48-1/4" x 32-1/2"
2	53" x 74"	49-5/8" x 36-1/4"	48-1/4" x 32-1/2"
3	53" x 96"	50" x 47-5/8"	49" x 43-3/4"

Product Identification (Certification Agency Label on Window):

System		
1, 2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products LLC
	Product Name	9000 Vinyl Tilt Fin Frame Single Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-02/05, ASTM E 1996-02/05 Missile Level D
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products LLC
	Product Name	9000 Vinyl Tilt Fin Frame Single Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-02, ASTM E 1996-02 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	Yes	These products satisfy TDI's criteria for protection from windborne debris 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:

Systems 1, 2: Fasten the window to minimum Spruce-Pine-Fir dimension lumber using the nailing fin with minimum 12-gauge (0.12") roofing nails (minimum 2" long smooth shank). Space the fasteners approximately 7" from each corner and approximately 7" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 3: Fasten the window to minimum Spruce-Pine-Fir dimension lumber using galvanized steel installation clips (4.090" x 0.968" x 0.065"). The installation clip is turned into a receiver on the outside wall of the window frame. The installation clip is secured to the wall framing with one, No. 8 x 2" flat head screw. Along each side jamb, locate clips approximately 3-1/2" from the head and at the meeting rail. At the head, locate the clips approximately 3-1/2" from each corner. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

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