

## Product Evaluation

WIN2023 | 0321

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:** March 1, 2021

**Re-evaluation Date:** December 2024

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

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1-2	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 Label on Window):**

System		
1-2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products
	Product Name	9000 Vinyl Tilt Fin Frame Single Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-02,05; Missile Level D
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Shwinco Architectural Products
	Product Name	9000 Vinyl Impact Rated Single Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886/E1996-02; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-3	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:**

**Systems 1-2:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing with 12-gauge roofing nails (minimum 2" long smooth shank; minimum 11-gauge). Locate the nails approximately 7" from each corner and 7" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 3:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using galvanized steel installation clips (4.090" x 0.968" x 0.065"). Clips are turned into a receiver on the outside wall of the window frame and secured to the wall framing with one (1) No. 8 x 2" flat head screw. Along the side jambs, locate the clips approximately 3-1/2" from the head and at the meeting rail. Along the head, locate the clips approximately 3-1/2" from each corner. 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 and the IBC.