



1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Product Evaluation Report

of

**Shwinco Architectural Products, LLC
Series 9000 Single Hung Window
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL8153

Report No. 8948

Current Florida Building Code

Method: 1 – A (Certification Mark or Listing)
Category: Windows
Sub – Category: Single Hung

Product: Series 9000 Single Hung Window
Materials: Vinyl/PVC
Product Dimensions: See Installation Instructions, SWD053

Prepared for:

**Shwinco Architectural Products, LLC
171 Jet Services Way
Dothan, AL 36303**

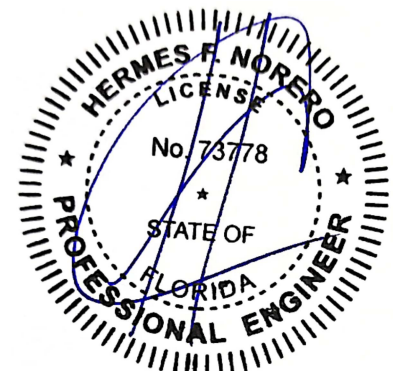
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 10/11/2023

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.11.29 20:36:29 -05'00'



Hermes F. Norero, P.E.
Florida No. 73778

Manufacturer: Shwinco Architectural Products, LLC

Product Category: Windows

Product Sub-Category: Single Hung

Compliance Method: State Product Approval Method (1)(a)

Product Name: Series 9000 Single Hung Window (HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Shwinco Architectural Products, LLC** based on Method 1a of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **SWD053**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **including** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **SWD053** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **SWD053** for size and design pressure limitations.

Certification Agency: The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under an approved certification agency through **National Accreditation & Management Institute, Inc.** (FBC Organization # CER1773)

Performance Standards: The product described herein has been evaluated per:

- AAMA/WDMA/CSA 101/I.S.2/A440-17
- ASTM E1886-19
- ASTM E1996-20
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratories, Inc.** (FBC Organization # TST1589)
Report #: NCTL-210-3850-02, Report Date: 05/17/13
Report #: NCTL-210-3975-01, Report Date: 07/02/14
Report #: NCTL-210-3975-1A, Report Date: 07/02/14
Report #: NCTL-210-3975-03, Report Date: 06/08/15
Report #: NCTL-210-3975-3A, Report Date: 06/08/15
Reports Signed and Sealed by Gerard J. Ferrara, FL PE No. 11985

Report #: NCTL-210-4195-03, Report Date: 11/16/20
Report #: NCTL-210-4195-04, Report Date: 11/16/20
Reports Signed and Sealed by Douglas J. McDougall, FL PE No. 28392
2. Material Certification
Miami-Dade County Notice of Acceptance
Vision Extrusions Group Limited
Rigid PVC Exterior Extrusions
3. Material Certification
Miami-Dade County Notice of Acceptance
Eastman Chemical Company (Previously Solutia)
Saflex PVB Interlayer



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Installation:

Refer to Installation Instructions (**SWD053**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**SWD053**) for design pressures based on size, configuration, and glass types.

 954.399.8478

 954.744.4738

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