

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2598-PER, Rev. 3 | Project No. 423-0103 | 6/19/23 | Page 1 of 2

Product Manufacturer

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

Product Name, Model and/or Description

Series 9500 Vinyl Casement Window – LMI
6500 Security Series Vinyl Casement Window

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.005(1)(a) – Certification Mark or Listing

Product Name, Model and/or Designation; Test Report No.; and Installation Drawing No.:

- Series 9500 Vinyl Casement Window
 - Test Report No. J3468.01-550-18 by Intertek, Lithia Springs, GA, signed and sealed by Vinu J. Abraham, Florida P.E. to AAMA/WDMA/CSA 101/I.S.2/A440-17 & 11 with ASTM E1886/E1996 and TAS 201-94, TAS-202-94 and TAS 203-94
 - Test Report No. NCTL-210-4199-3 by NCTL, Orlando, FL, signed and sealed by Douglas J. McDougall, Florida P.E. to TAS 201-94, TAS-202-94 and TAS 203-94.
 - Test Report No. NCTL-210-4199-3A by NCTL, Orlando, FL, to AAMA/WDMA/CSA 101/I.S.2/A440-17 & 11 and ASTM E1886-05/ASTM E1996-05/09.
 - PTC Product Design Group Drawing No. SHW0002, Rev. B, dated 6/19/23, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752
- 6500 Security Series Vinyl Casement Window
 - Test Report No. NCTL-210-4214-2 by NCTL for ASTM E2395-18.
 - Test Report No. NCTL-210-4199-3A by NCTL for AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17.
 - Test Report No. J3468.01-550-18 by Intertek, Lithia Springs, GA, for AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17
 - PTC Product Design Group Drawing No. SHW0005, Rev. A, dated 6/19/23, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752

Component Approvals:

- Frame: Extruded Rigid PVC by Vision Extrusions Limited per current Miami-Dade Notice of Acceptance (NOA) [here](#).
- Laminate Glass Interlayer: Saflex Interlayer by Eastman Chemical Co. (MA). per current Miami-Dade Notice of Acceptance (NOA) [here](#).

Engineering Analysis & Evaluation:

- Anchorage engineering (Report No. 2598-Calc) in accordance with the current edition of the Florida Building Code for Series 9500 and 6500 Vinyl Casement Window signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752.

Performance Standards (used in testing):

- TAS201-94
- TAS202-94
- TAS203-94
- AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17
- ASTM E1886-05
- ASTM E1996-05/09
- ASTM E2395 and ASTM F588 are not referenced in the FBC or FRC.



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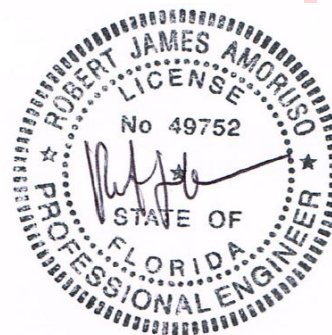
Limitations & Conditions of Use:

- The following product has been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - Series 9500 Vinyl Casement Window
- The following product will not require an approved impact protective system when used in wind borne debris regions including the HVHZ.
 - Series 9500 Vinyl Casement Window
- The following product has NOT been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - 6500 Security Series Vinyl Casement Window
- The following product WILL require an approved impact protective system when used in wind borne debris regions.
 - 6500 Security Series Vinyl Casement Window
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed
by Robert J
Amoruso
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

