

Equivalency Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2653-EER, Rev. 2 | Project No. 422-0603 | 9/22/23 | Page 1 of 2

Product Manufacturer

Renaissance Windows and Doors
13340 International Parkway
Jacksonville, FL 32218

Product Name, Model and/or Description

Series 9700 Vinyl Sliding Glass Door – XX, OX, XO
Series 9700 Vinyl Sliding Glass Door – OXO, OXXO

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

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- Series 9700 Vinyl Sliding Glass Door:
 - OX and XO
 - XX
 - OXO
 - OXXO

Product Testing, Materials and Certification (as applicable):

- Performance Testing Standards used for this product approval:
 - TAS 201-94 - Impact Test Procedures
 - TAS 202-94 - Criteria for Testing Impact; Non-impact Resistant Building Envelope Components Using Uniform Static Air Pressure
 - TAS 203-94 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading
- Testing:
 - Intertek/ATI Inc. E0597.03-550-18 (OX), dated 3/12/15, testing conduct to TAS 201-94, TAS 202-94 and TAS 203-94, signed and sealed by Shawn Collins, PE, (FL No. 70655).
 - Intertek/ATI Inc. E0597.04-550-18 (XX), dated 12/15/14, testing conduct to TAS 201-94, TAS 202-94 and TAS 203-94, signed and sealed by Shawn Collins, PE, (FL No. 70655)
 - Intertek/ATI Inc. E0597.02-550-18 (OXO), dated 12/15/14, testing conduct to TAS 201-94, TAS 202-94 and TAS 203-94, signed and sealed by Shawn Collins, PE, (FL No. 70655).
 - Intertek/ATI Inc. E0597.01-550-18 (OXXO), dated 12/15/14, testing conduct to TAS 201-94, TAS 202-94 and TAS 203-94, signed and sealed by Shawn Collins, PE, (FL No. 70655).
- Material Certifications/Component Approvals:
 - Laminated Glass Interlayer:
 - See current Miami-Dade Notice of Acceptance (NOA) for component approval for Trosifol PVB Glass Interlayer by Kuraray America, Inc. used with this product. Kuraray America NOA can be found [here](#).
 - See current Miami-Dade Notice of Acceptance (NOA) for component approval for SentryGlas (SG) Glass Interlayer by Kuraray America, Inc. used with this product. Kuraray America NOA can be found [here](#).
 - Vinyl (PVC) Framing Extrusions:
 - See current Miami-Dade Notice of Acceptance (NOA) for component approval for Door frame material: Quanex Building Products, Inc. (Mikron Industries, Inc. Subsidiary of Quanex) Vinyl (PVC) per the latest Miami-Dade Notice of .Acceptance (NOA). Quanex NOA can be found [here](#).



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PERFORMANCE TESTING

The following table shows the performance standards used in testing and those in the current edition of the FBC.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
TAS 201	94	94	94	See Evaluation Below
TAS 202	94	94	94	
TAS 203	94	94	94	

TAS 201, TAS 202 & TAS 203: It has been concluded that no material or substantive revisions or changes to these referenced standards have occurred (where applicable) that affect the results of design, testing or engineering of the approved product(s).

MATERIALS TESTING

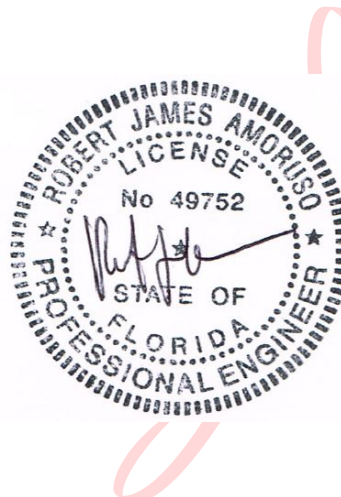
Kuraray Trosifol PVB and SentryGlas (SG) Glass Interlayer material properties per current Miami-Dade Notice of Acceptance (NOA) were reviewed for conformance to the current edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code and found to be acceptable. Current Kuraray America NOAs can be found [here](#).

Quanex Building Products, Inc. (Mikron Industries, Inc. Subsidiary of Quanex) Vinyl (PVC) material properties per current Miami-Dade Notice of Acceptance (NOA) were reviewed for conformance to the current edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code and found to be acceptable. Current Quanex NOA can be found [here](#).

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
Date:
2023.11.16
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

