

Equivalency Evaluation Report

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Product Manufacturer

ProVia Door, Inc.
2150 State Route 39
Sugarcreek, OH 44681

Product Name, Model and/or Description

Series 165.000 Picture Window
Non-impact and L.M. Impact

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 Testing, Materials and Certification:

- National Certified Testing Laboratories Test Reports
 - No. NCTL-210-4074-01, dated 1/16/17 & NCTL-210-4074-04 and associated laboratory drawings.
 - 54x77 to +/-50 psf Design Pressure
 - Test Protocols
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - AAMA/WDMA/CSA 101/I.S.2/A440-08
 - ASTM E1886-05
 - ASTM E1996-05 and 09
 - Certification by National Accreditation & Management Institute, Inc. (NAMI).
 - NOPC No. NI013699
 - No. NCTL-210-4074-01A, dated 1/16/17 & NCTL-210-4074-03, dated 12/15/17 and associated laboratory drawings.
 - 54x77 to +/-80 psf Design Pressure
 - Test Protocols
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - AAMA/WDMA/CSA 101/I.S.2/A440-08
 - Certification by National Accreditation & Management Institute, Inc. (NAMI).
 - NOPC No. NI013699.01
- Laminated Glazing Interlayers
 - The currently issued Miami-Dade NOA for component approval to the Florida Building Code for Kuraray America's Trosifol PVB Interlayer Laminating Interlayer was reviewed and found in compliance with the Current Edition of the Florida Building Code. Kuraray America Miami-Dade NOAs can be found [here](#).
- Materials
 - Window Frame Material: Rigid Vinyl

Performance Testing:

- AAMA/WDMA/CSA 101/I.S.2/A440-11
- AAMA/WDMA/CSA 101/I.S.2/A440-08
- ASTM E1886-05
- ASTM E1996-05 and 09

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Performance Testing Equivalency Evaluation per Product Approval Rule 61G20-3.015(4)(d):

Testing Standards Used		Testing Standards Required by the 8th Edition (2023) of the Florida Building Code		Comments
ASTM Designation	Year	FBC	FRC	
AAMA/WDMA/CSA 101/I.S.2/A440	11	11	11	See EVALUATION CONCLUSION below.
AAMA/WDMA/CSA 101/I.S.2/A440	08	08	08	
E1996	05 & 09	14a	14a	
E1886	05	13a	13a	

ASTM E1996 TESTING EVALUATION:

- 1) Wind Zone 4 testing
 - a. ASTM E1996-14 moved Wind Zone 4 criteria to the non-mandatory appendix. As indicated in Appendix X4.1, ASTM E1996-14a, the Wind Zone 4 requirement, though non-mandatory, is still present and may be specified when needed to meet specific building codes requirements. Those requirements are detailed in Sections 1609.1.2.2, 1609.1.2.4 and 1609.3 of the Florida Building Code. Based on a review of the test reports, those parameters are met.
- 2) The Missile Level and Impact Speed used in testing are consistent with those currently required by the Florida Building Code and ASTM E1996.
- 3) The static load (ASTM E330) and cyclic load (ASTM E1886/E1996) parameters used in testing are consistent with those currently required by the Florida Building Code.

EVALUATION CONCLUSION:

The AAMA and ASTM Standards listed above and used in testing have been compared to their current revision levels in the 8th Edition (2023) Florida Building Code and found to be acceptable. Changes in the current revisions do not affect the results obtained using previous versions of the reference standard.

The currently issued Kuraray America Trosifol PVB Interlayer Miami-Dade NOA found [here](#) has been reviewed against the testing requirements of the 8th Edition (2023) FBC for component/material properties testing and found to comply.

Conclusion: It was determined that the evaluated product testing is equivalent to the prescribed standards in the 8th Edition (2023) of the Florida Building Code.

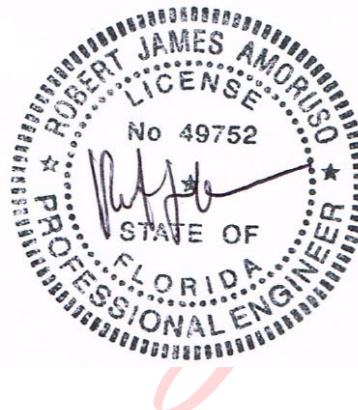
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Certificate of Independence per Product Approval Rule 61G20-3.009

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Evaluated By:
Robert J. Amoruso, P.E.
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