

EQUIVALENCY EVALUATION REPORT	
Project No.: ACE-2025-204	Report No.: EER-ACE-1133, Rev. 0

Product Description: Series 76MD Tilt/Turn Vinyl Window, Double, Impact, HVHZ

Product Manufacturer: ES Windows, 3550 NW 49th St., Miami, FL 33142

Code Compliance Statement: This report evaluates the fenestration product(s) listed above to the requirements of FAC Product Approval Rule 61G20-3.005. This product complies with the requirements of the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone (HVHZ) per the product testing standards listed below.

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

Documentation/References:

1. Installation Drawing No. SCS-0040, Rev. 0, signed and sealed by Robert J. Amoruso, PE.
 - a. This drawing is in conformance with the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone (HVHZ)
2. Test Report by NATIONAL CERTIFIED TESTING LABORATORIES, 8350 PARKLINE BLVD. STE. 12, ORLANDO, FLORIDA 32809
 - a. Test Report No. NCTL-210-4100-01, Series 76MD Tilt/Turn Vinyl Window, Single, dated 1/2/2018, signed and sealed by Douglas J. McDougall, PE
 - i. Test Standards
 1. TAS 201-1994
 2. TAS 202-1994
 3. TAS 203-1994
 - ii. Specimen
 1. 102.44" x 63.5"
 - iii. Design Pressure
 1. +/- 65 psf for all specimens
 - iv. Large Missile Impact

Component Certification and Code Conformance:

- Kuraray America Inc. SentryGlas interlayer code conformance per the currently issued Miami-Dade Notice of Acceptance (NOA) component approval to the 8th Edition (2023) Florida Building Code. See Miami-Dade NOA listing [here](#).

Performance Testing Standards (See Documentation section above for test report listings):

- TAS 201-1994
- TAS 202-1994
- TAS 203-1994

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

Test Report Ref. No.	Testing Standards Used		Testing Standards Required by 8 th Edition (2023) Edition of the Florida Building Code		Comments
	Designation	Year	FBC	FRC	
2	TAS 201	1994 (circa 2018)	1994 (circa 2023)		Meets FBC Requirements
	TAS 202	1994 (circa 2018)	1994 (circa 2023)		See EVALUATION CONCLUSION below.
	TAS 203	1994 (circa 2018)	1994 (circa 2023)		

- TAS testing occurred 1/2/2018 during the 6th Edition (2017) Florida Building Code.
- TAS 201, 202 and 203, 2017 FBC have been compared to those of 2023 FBC and found to be fundamentally the same w/o and changes that would affect the testing and performance results in Test Report No. NCTL-210-4099-01.
- Therefore, Test Report No. NCTL-210-4099-01 complies with the requirements of the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone (HVHZ)

Certificate of Independence per Product Approval Rule 61G20-3.009

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

Robert J. Amoruso, P.E., does not have, nor will he 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.



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