

EQUIVALENCY EVALUATION REPORT	
Project No.: ACE-2024-119	Report No.: EER-ACE-1104, Rev. 0

**Product Description:** Series 650 Multi-Slide/Pocket Vinyl Sliding Glass Door, Impact, HVHZ

**Product Manufacturer:** Eastern Architectural Systems, 16341 Domestic Avenue, Fort Myers, FL 33912

**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 8<sup>th</sup> 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. National Certified Testing Laboratories Test Report No. NCTL-201-4092-01A, dated 1/15/18 (Revision) and Associated laboratory drawing, signed and sealed by Douglas J. McDougall, FL P.E. License Number 28392 on 1/15/18. Performance standards used in testing are:
  - a. TAS 201-94
  - b. TAS 202-94
  - c. TAS 203-94
  
2. ETC Laboratories Report No. ETC-97-264-4091.0, dated 4/21/98, signed and sealed by Joseph L. Doldan, P.E., FL PE No. 42929. Performance standards used in testing are:
  - a. ASTM D635-96, Rate of Burning
    - i. Class C-1
  - b. ASTM D1929-96, Self-Ignition Temperature
    - i. 925° F > 650° F
  - c. ASTM D2843-93, Average Smoke Density Rating
    - i. 43% < 75
  - d. ASTM E84-95b, Flame Spread Index
    - i. 26.2 < 75
  - e. ASTM G26-95 and ASTM D638-96, Tensile Strength (Difference between Exposed & Unexposed)
    - i. 4.98% difference meeting Less than 10% tensile strength difference between G26 exposed and unexposed samples.

**Component Certification and Code Conformance:**

- Laminated Glazing Interlayer
  - Kuraray America Inc. SentryGlas interlayer code conformance per the current Miami-Dade Notice of Acceptance (NOA) found [here](#).
- PVC Lineal Framing Members:
  - Rigid vinyl approved for HVHZ under AAMA Master File No. 15-0333, White Rigid PVC Exterior Extrusions for Windows and Doors manufactured by Deceunick North America.
  - ETC Laboratories Report No. ETC-97-264-4091.0, dated 4/21/98, signed and sealed by Joseph L. Doldan, P.E., FL PE No. 42929.

**Performance Testing (See Documentation section above for standards used in testing):**

- Performance Standards used in testing, HVHZ locations:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
- PVC Lineal Framing Members Plastics Testing
  - ASTM D635-96
  - ASTM D1929-96
  - ASTM D2843-93
  - ASTM E84-95b
  - ASTM G26-95
  - ASTM D638-96

**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 <sup>th</sup> Edition (2023) Edition of the Florida Building Code		Comments
	ASTM Designation	Year	FBC	FRC	
1	TAS 201	94	94	94	See EVALUATION CONCLUSION below.
	TAS 202	94	94	94	
	TAS 203	94	94	94	

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	ASTM Designation	Year	FBC	FRC	
2	ASTM D635	96	14	--	See EVALUATION CONCLUSION below.
	ASTM D1929	96	16	--	
	ASTM D2843	93	16	--	
	ASTM E84-95	95b	14A	--	
	ASTM G26	95	Replaced by G155-13	--	
	ASTM D638	96	03	--	

**Reference 1 Test Report:**

- Based upon my review of test results shown in the National Certified Testing Laboratories Test Report (Reference 2) using TAS 201, 202 and 203, the requirements of those standards contained in the 8th Edition (2023) Florida Building Code have been met.

**Reference 2 Test Report:**

- Based upon my review of test results shown in the ETC Laboratories Test Report (Reference 3) using ASTM D635, D1929, D2843, E84, G26 (now G155), and D635, the requirements of those standards contained in the 8th Edition (2023) Florida Building Code have been met.

**Certificate of Independence per Product  
Approval Rule 61G20-3.009**

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.

Robert J. Amoruso, P.E. does 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.

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