



EQUIVALENCY OF STANDARDS EVALUATION

<u>Product Manufacturer:</u> Trulite Glass and Aluminum Solution 403 Westpark Court, Suite 201 Peachtree City, GA 30269	<u>Product Name/Model & Description:</u> Series SB750 Curtain Wall Non - impact curtain wall system
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Code: 7th Edition 2020/ 8th Edition 2023 Florida Building Code, inclusive of all Supplements effective as of this report date.

Compliance Method: Product Approval Rule 61G20-3.015(5)(d) – Equivalency of Standards

Certification of Equivalence: The testing standards listed below, although not explicitly referenced within the above-noted building code, are hereby deemed equivalent for the purposes of determining this product's compliance with the above-noted building code:

Product Testing and Certification:

- Fenestration Testing - Lab (FTL) – Medley, FTL-5982,
- Excel Polymers, LLC. Burton, OH-61787
- Excel Polymers, LLC. Burton, OH-74326

Performance Testing:

- ASTM E330 (Static Load Test)
- ASTM E283 (Air Infiltration Test)
- ASTM E331 & E547 (Water Infiltration Test)
- AAMA 501.1 (dynamic pressure water resistance)
- AAMA 501.4 (seismic movement at design displacement)
- AAMA 501.4 (seismic movement at 1.5x design displacement)
- ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 60 duro)
- ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 70 duro)

Equivalency Evaluation to AAMA 501-15:

- Code Requirements for testing to AAMA 501-15:
 - Section 1709.8.4 of the Florida Building Code requires glazed curtain wall, window wall, and storefront systems to be tested in accordance with the requirements of that section and the



Laboratory Test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501, HVHZ complying with Section 2411.3.2.1.1.

- This product is NOT tested for HVHZ requirements. Product approval is NOT for HVHZ.
- All other requirements of Section 1709.8.4 must be met.
- Conformance to AAMA 501-15:
 - o Laboratory Test requirements in AAMA 501-15 include sections listed as required and as optional. They are:
 - **Required** – All required testing performed and documented in Test Reports listed above demonstrating compliance with Section 1709.8.4.
 - o Section 2.1 - Test Load Sequence
 - o Section 2.2 - Preload Test at 50% DP
 - o Section 2.3 - ASTM E283 Air Leakage
 - o Section 2.4 - ASTM E331 Water Penetration
 - o Section 2.9 - ASTM E330 Testing
 - o Section 2.10 - ASTM E331 Water Resistance Repeated
 - o Section 2.11 - ASTM E330 at 150% DP
 - All the above tests were performed in accordance with the standard requirements as documented in Test Reports listed above.
 - **Optional** – The following sections in AAMA 501-15 are listed as optional and were not performed.
 - o Section 2.5
 - o Section 2.6
 - o Section 2.7
 - o Section 2.8
 - o Section 2.12
 - o Section 2.13
 - o Section 2.14
 - o Section 2.15



August 01st, 2023

- Conclusion
 - o Based on the above evaluation, the Laboratory Test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501 with HVHZ complying with Section 1709.8.4 of the 8th Edition Florida Building Code (2023) have been met by the testing documented in Test Reports listed above.