



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Pkwy. Ste. 301
Miramar, FL. 33027
P: 305 271-0117

PRODUCT APPROVAL EVALUATION REPORT

<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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Scope: This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

Code: 7th Edition Florida Building Code (2020)/ 8th Edition Florida Building Code (2023), inclusive of all Supplements effective as of this report date.

Compliance Method: 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

Product Description: Product Approval **Drawing #SB750PA**, prepared by MCY Engineering, signed and sealed by Yiping Wang, P.E., is an integral part of this Evaluation Report.

Limitations & Conditions of Use:

- This product has been evaluated for use only **outside of the HVHZ** (High-Velocity Hurricane Zone)
- Impact Resistance: **Non- Impact**
- Refer to Product Approval Drawing noted above for:
 - Maximum allowable wind loads at the related maximum allowable size(s).
 - Other load limitations applicable to the product, if any.
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to the structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.



Test Reports:

Mandatory Tests (Tested in accordance with AAMA 501)

Test Lab	Report Number	Test Report Date	Test Standard & Description
Fenestration Testing Lab (FTL) – Medley, FL	FTL-5982	11/18/2009	ASTM E283 (air infiltration) ASTM E331 (static pressure water resistance) AAMA 501.1 (dynamic pressure water resistance) ASTM E330 (structural performance) AAMA 501.4 (seismic movement at design displacement) AAMA 501.4 (seismic movement at 1.5x design displacement)
Excel Polymers, LLC. Burton, OH	61787	7/25/07	ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 60 duro)
Excel Polymers, LLC. Burton, OH	74326	4/26/11	ASTM C 864 (EPDM rubber, seal gaskets, setting blocks, and spacers, 70 duro)

Engineering Analysis:

The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- Rational analysis has been performed per Code requirements and acceptable standards of engineering principles (but not in lieu of standard tests required by the Code). No increase in allowable stress has been used in the evaluation of this product.



August 01st, 2023