

Product Evaluation Report

Approval Number:

46493.2

Date:

February 6, 2024

Product Category	Panel Walls
Sub-Category	Siding
Manufacturer	3A Composites Two Harbour Place 721 Jetton Street, Suite 325 Davidson, NC 28036
Product Name	Alucobond Plus Male/Female Rain Screen Aluminum Composite Material Panel System
Impact Rating	Non-Impact Rating

Performance: Design Wind Pressure: Positive: + 40 psf
Negative: - 50 psf
Impact Rating: Non-Impact Rated

Compliance: This product evaluation is limited to compliance with the structural requirements of the 2023 Florida Building Code (8th Edition), as related to the scope section to Florida Product Approval Rule 61G20-3.001.

Limitations:

- This product has been evaluated and is in compliance with the 2023 Florida Building Code (FBC) – 8th Edition structural requirements **not** including the "High Velocity Hurricane Zone" (HVHZ).
- This product meets and conforms to all portions or section 1407 Metal Composite Materials (MCM) in the 2023 FBC – 8th Edition.
- This product is **not** rated for use in the HVHZ.
- This product has **not** been evaluated for wind borne debris protection.
- Site conditions that deviate from the details of drawings "Alucobond Plus Male/Female Rain Screen Panel System" require further engineering analysis by a licensed engineer or registered architect.
- The wall panels are shown (as tested) attached to 600S162-43 cold-formed steel framing members with a maximum center-to-center spacing of 16 inches. The stud members are assumed to be part of the support structure and shall be designed by the architect or engineer of record and submitted to the permitting jurisdiction for review and approval.
- The wall panels may also be attached directly to other substrate materials as specified by the architect or engineer of record.
- The wall panels shall not be used to resist diaphragm forces. Supplemental lateral bracing is required.
- The wall panels shall not be used to resist any axial forces other than self-weight. Supplemental vertical support for floor and roof systems is required.

- Minimum Panel thickness of 0.157" (4 mm) with an aluminum skin thickness of 0.020" (0.5mm) of aluminum alloy 3003-H14 (Fu = 20 ksi, Fy = 17 ksi) or greater.

Supporting Documents:

Reference Test Reports:

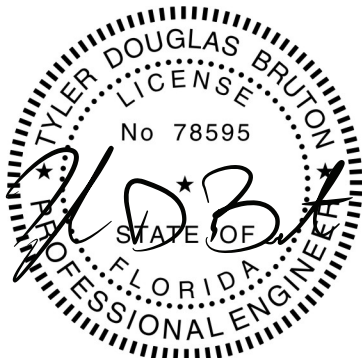
Test Report Number	Test Standards	Testing Laboratory	Signed By
K8127.01-109-44	ASTM E 330-14	Intertek	Robert J. Beatty -Intertek Technician Product Testing Timothy J. McGill – Manager Product Testing
K8124.01-109-44	ASTM E 283-04	Intertek	Robert J. Beatty -Intertek Technician Product Testing Timothy J. McGill – Manager Product Testing
K8124.01-109-44	ASTM E 331-00	Intertek	Robert J. Beatty -Intertek Technician Product Testing Timothy J. McGill – Manager Product Testing

Reference Installation Drawings:

Drawing Name	Signed By:
Alucobond Plus Male/Female Rain Screen Panel System	Tyler D. Bruton, PE

Certification of Independence:

Please note that I do not have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).



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