

Florida Board of Engineers Certificate of Authorization No. 31941

fcpeoffice@gmail.com

305-427-3784

12060 SW 135th Ter, Miami, Florida 33186

Product Evaluation Report

Date: December 22, 2023

Report No.: 062117.2

FL Product Approval #:

Product Category: Roofing

Product sub-category: Metal Roofing

Product Name: 3" Aluminum Riser Roof Panel & 3" Galvalume Riser Roof Panel

Manufacturer: Alumflo, Inc.
2445 51st Ave N,
St. Petersburg, FL 33714.
Phone: 727.527.8494

Scope:

This product evaluation report issued by FCPE Consultants, LLC and Frederic P. Carrie, P.E., S.I., LEED AP BD+C on behalf of Alumflo, Inc. and is based on Florida Department of Business and Professional Regulation Rule 61G20-3, Method (2) (b) of the State of Florida Product Approval. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or updates.

FCPE Consultants, LLC and Frederic P. Carrie, P.E., S.I., LEED AP BD+C do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code, 8th Edition (FBC), FBC 2023, and where pressure/suction and deflection requirements, as determined by Chapter 16 of the Florida Building Code, do not exceed the design pressures as shown on the approval.

Florida Board of Engineers Certificate of Authorization No. 31941

fcpeoffice@gmail.com

305-427-3784

12060 SW 135th Ter, Miami, Florida 33186

Supporting Documents

1. Product Approval Installation Drawings:

- a.** Drawing No. 042217.1A titled "3" ALUMINUM RISER ROOF PANELS", Sheets A-1.1, A-1.2, A-1.3, and Drawing No. 042217.2A titled "3" GALVALUME RISER ROOF PANELS", Sheets S-1.1, S-1.2, and S-1.3 prepared by **FCPE Consultants, LLC.**, signed and sealed by Frederic P. Carrie, P.E., S.I., LEED AP BD+C (FL PE No. 60791/S.I. No. 7027660).

2. Testing:

- a.** Testing per ASTM E330/E330M-14. Test Report No.: F5717.01-401-44, Report Date: 03/29/16, 3" Riser Pan Series, 0.030" and 0.024" Thickness Rolled Formed Aluminum Roof Panel, and 24 & 26 Gauge Rolled Formed Galvalume Roof Panel, rendered to, ALUMFLO Inc., St. Petersburg, FL by Architectural Testing, Inc., an Intertek Company ("Intertek-ATI"), 2250 Massaro Blvd., Tampa, FL 33619.

3. Engineering Analysis/Calculations:

- a.** Comparative and rational analysis has been conducted for allowable span conditions based on minimum and maximum boundary span testing.
- b.** Rational analysis has been performed per FBC requirements as listed in the product application and acceptable standards of engineering principles.

4. Quality Assurance Entity:

- a.** Letter of Participation issued by PRI Construction Materials Technologies, LLC. (FBC Organization Number QUA9110) confirms that this manufacturer is within a quality assurance program for this product under Rule 61 G20-3.008 (5).

Limitations and Condition of Use

- 1.** This product has not been tested for Impact Resistance.
- 2.** This product has been not been evaluated for use within the High Velocity Hurricane Zone (HVHZ).
- 3.** This product has been designed to resist wind loads as indicated in the design schedules on the Product Evaluation Documents and Installation Drawings.
- 4.** The product listed above shall conform to and be in strict compliance with all requirements and limitations as described in this Product Evaluation Report and in the Installation Drawings. All product components shall be of the material specified in the Product Evaluation Documents and Installation Drawings.
- 5.** Refer to Product Approval Installation Drawings noted above for:
 - All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product's respective anchor schedule. Host structure conditions which are not described in this product's anchor details shall be designed for on a site-specific basis by a registered design professional.
 - All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times per FBC.
 - Material fabrication, properties, and performance parameters.
- 6.** Linear interpolation may be used for values shown in all tables.