

ENGINEERING EXPRESS® (EX) PRODUCT EVALUATION REPORT

April 15, 2025

Application Number: FL 47329.1
EX Project Number: 25-83359

Product Manufacturer: Architectural Fabrication, Inc.
Manufacturer Address: 2100 E Richmond Ave
Fort Worth, TX 76104

Product Name & Description: EcoFlex Panel System

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1 (d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with standard ASCE 7-22 (ASD) and the Florida Building Code Eighth Edition (2023) and is, for the purpose intended, at least equivalent to that required by the Standard and Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX Performance Evaluation document # 25-83359 titled "EcoFlex Panel System", prepared by Engineering Express, Inc., signed & sealed by Frank Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS (IF APPLICABLE)**

The product has been tested per the following:

Test Lab	Test Report #	Test Standard	Test Description	Signed & Sealed By:
Intertek	R2262.01-801-18R0	TAS 201-94	Impact Test Procedures	Tyler Westerling, PE
		TAS 202-94	Uniform Static Wind Loading	
		TAS 203-94	Cyclic Wind Pressure Loading	

Architectural Fabrication, Inc. - EcoFlex Panel System

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria (per FBC 8th Ed. 2023 Section 104.11.1):

1. Max. allowable (ASD) lateral & uplift wind pressures
2. Max. allowable sliding forces, uplift forces, & overturning moments
3. Tie-down configuration and anchor capacity for various host substrates (host by others).
4. Unit panel wind pressure connection integrity

Impact Resistance:

Impact Resistance has been demonstrated.

Wind Load Resistance:

This product has been designed to resist wind loads as indicated on its respective Performance Evaluation document (i.e. engineering document).

Installation:

The product listed above shall be installed in strict compliance with the Performance Evaluation document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Performance Evaluation document (i.e. engineering document).

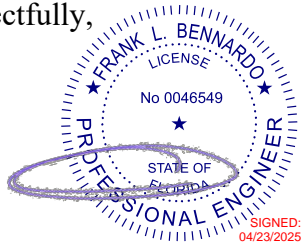
Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Performance Evaluation document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Performance Evaluation document will invalidate it. This product has been designed for use inside and outside of the High Velocity Hurricane Zone (HVHZ & NON-HVHZ).

Respectfully,



Frank Bennardo, P.E.
ENGINEERING EXPRESS®
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