

ENGINEERING EXPRESS® (EX) PRODUCT EVALUATION REPORT

August 19, 2026

Application Number: FL 39289.1
EX Project Number: 26-98597

Product Manufacturer: Titan Sunrooms
Manufacturer Address: 8188 Armstrong Rd
Milton, FL 32583

Product Name & Description: EPS Foam Core Composite Panels, 3.5" & 2" Steel Skins (1.0 LB E.P.S.)

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 2 (b). 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 Ninth Edition (2026) 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 # 26-98597 titled "EPS Foam Core Composite Panels, 3.5" & 2" Steel Skins (1.0 LB E.P.S.)", prepared by Engineering Express, Inc., signed & sealed by Richard Neet, P.E. is an integral part of this Evaluation Report, pages 1 through 2.

- **TEST REPORTS**

Performance Test(s)

Strength tests of panels for building construction have been performed in accordance with ASTM E72-15 test standards per test report(s) #12300 (signed and sealed by Idalmis Ortega, PE) by Fenestration Testing Laboratory (FTL) – Miami, Florida, USA.

Material Test(s)

- ERC-525, Carpenter MSDS, ASTM D1929, Standard Test Method for Determining Ignition Temperature of Plastics
 - Self-Ignition Temperature > 800° F
- UL Evaluation Report No. ER11783-01, Issued May 25, 2016 ASTM E84 TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS
 - Flame spread index < 25
 - Smoke developed index < 450

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- **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:

1. Maximum Allowable Spans.
2. Maximum Allowable Deflections.

Impact Resistance:

Impact Resistance has not 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).

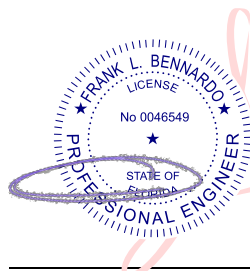
Limitations & Conditions of Use:

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. Valid for use outside of the High-Velocity Hurricane Zone only (non-HVHZ only). Not permitted for use within the HVHZ (Miami-Dade and Broward Counties).

Respectfully,



Digitally signed

by Frank

Bennardo

Date:

2026.08.19

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Frank L. Bennardo, P.E.

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