Engineering Express® (EX)
Product Evaluation Report

January 21, 2026

Application Number:	FL 47568.1
EX Project Number:	25-85602
Product Manufacturer:	DuraPlas, Inc.
Manufacturer Address:	16400 Midway Rd, Addison, TX 75001
Product Name & Description:	DuraPlas Plastic Hurricane Pads

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 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 # 25-85602 titled “DURAPLAS PLASTIC HURRICANE PADS”, prepared by Engineering Express, Inc., signed & sealed by Colby Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

The product has been tested per the following:

Test Lab	Test Report #	Test Standard	Test Description	Signed & Sealed By:
Construction Testing Services (CTS)	24-01245	FBC § 1709.3 (Custom)	Tension & Shear Testing of Elevator Bolt Connection to Tie-Down Clip & Pad/Lid	Bryan Michael McElrath, P.E.
Intertek	S7820.01-106-18 R0	ASTM G155; ASTM D638	Accelerated Weathering Testing; Tensile Strength Testing	Tanya A. Dolby, P.E.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared that 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 wind pressures and wind conditions
2. Max. allowable (ASD) sliding forces & overturning moments
3. Unit maximum allowable dimensions and minimum required unit weights
4. Tie-down configuration and anchor capacity for connection to the plastic hurricane pads

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).

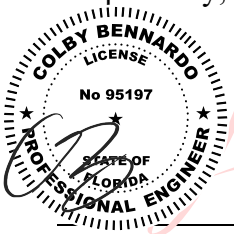
Limitations & Conditions of Use:

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. This product has been designed for use inside and outside of the High Velocity Hurricane Zone (HVHZ & NON-HVHZ).

Respectfully,



Digitally signed by Colby Bennardo
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Colby Bennardo, P.E.
ENGINEERING *EXPRESS®*
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