



1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Product Evaluation Report

of

**Endura Products
Z Series, FOB, & ADA Outswing Thresholds
(Non-HVHZ) (Impact)**

for

Florida Product Approval

FL# FL20153

Report No. 9618

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Exterior Doors
Sub – Category: Exterior Door Products

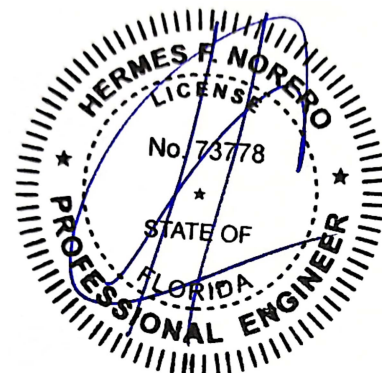
Product: Z Series, FOB, & ADA Outswing Thresholds
Materials: Composite/ Aluminum/ PVC
Product Dimensions: See Installation Instructions, END004

Prepared for:

**Endura Products
8817 W. Market Street
Colfax, NC 27235**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 2/14/2025



Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.02.14 15:37:21 -05'00'

Hermes F. Norero, P.E.
Florida P.E. No. 73778

1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Manufacturer: Endura Products

Product Category: Exterior Doors

Product Sub-Category: Exterior Door Components

Compliance Method: State Product Approval Method (1)(d)

Product Name: Z Series, FOB, & ADA Outswing Thresholds
(Non-HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Endura Products** based on Method 1d of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does 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 current Florida Building Code.

See Installation Instructions **END004**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **END004** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **END004** for size and design pressure limitations.

1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Quality Assurance: The manufacturer has demonstrated compliance of manufacture of products in accordance with the current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation and Management Institute** (FBC Organization #: QUA1789)

Performance Standards: The product described herein has been evaluated per:

- ASTM E330-14
- ASTM E1886-13a
- ASTM E1996-14a

Referenced Data: 1. Product Testing performed by **National Certified Testing Laboratory, Inc.** (FBC Organization # TST4744 & TST1589)

Report #:	Report Date:
NCTL-110-17883-1,	04/28/15
NCTL-110-17871-2	05/20/15
NCTL-210-3893-02	09/30/13
NCTL-110-12946-1	01/16/13

2. Product Testing performed by **Architectural Testing, Inc.** (FBC Organization # TST3892)

Report #:	Report Date:
F2988.01-251-47	03/21/16
F1794.01-251-47	12/14/15
F1085.01-251-47	12/22/15
F2124.01-251-47	01/07/16
F0453.01-251-47	12/14/15
F1084.01-251-47	12/22/15
F0797.01-251-47	12/22/15
F0796.01-251-47	01/08/16
F0806.01-251-47	12/22/15
F0804.01-251-47	12/22/15
L0884.01-251.47-R1	06/10/20

1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

3. Product Testing performed by **Testing Evaluation Laboratories, Inc.**
(FBC Organization # TST4317)
Report #: TEL03851377 Report Date: 07/25/15
TEL03851378 07/25/15
TEL03851468 10/20/15
TEL03851482 12/30/15
Signed & Sealed by William B. Shelton, P.E.
4. Product Testing performed by **Molimo Architectural Product Testing**
(FBC Organization # TST11282)
Report #: 2167.01-109-12-R0 Report Date: 11/27/19
2167.02-109-12-R0 11/12/19
3105.01-109-12 08/27/21
5. Quality Assurance Agency
National Accreditation and Management Institute
(FBC Organization #: QUA1789)

Installation:

Refer to Installation Instructions (**END004**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**END004**) for design pressure configurations.