



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

## Product Evaluation Report

*of*

### Oldcastle Building Envelope FG-5750T StormMax Aluminum Storefront System (HVHZ) (Missile Level E)

*for*

Florida Product Approval

**FL# FL41841**

**Report No. 8171**

**Current Florida Building Code**

**Method:** 1 – D (Engineering Evaluation)  
**Category:** Panel Walls  
**Sub – Category:** Storefronts  
**Product:** FG-5750T StormMax Aluminum Storefront System  
**Materials:** Aluminum 6063-T6  
**Product Dimensions:** See Installation Instructions, OBE008

**Prepared for:**

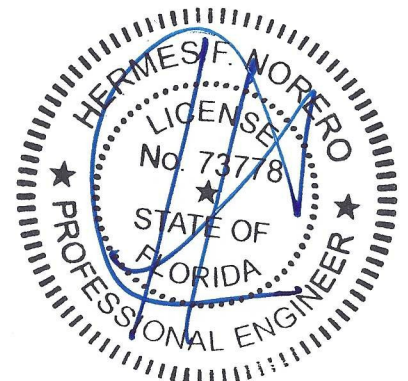
Oldcastle Building Envelope  
803 Airport Road  
Terrell, TX 75160

**Prepared by:**

Hermes F. Norero, P.E.  
Florida Professional Engineer # 73778  
Date: 12/20/2022

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

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**Manufacturer:** Oldcastle Building Envelope

**Product Category:** Panel Walls

**Product Sub-Category:** Storefronts

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

**Product Name:** FG-5750T StormMax Aluminum Storefront System (HVHZ) (Missile Level E)

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Oldcastle Building Envelope** 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 **OBE008**, 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, **including** 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. Product has been tested to Missile Level E Impact requirements.
4. Site conditions that deviate from the details of installation instructions **OBE008** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **OBE008** for size and design pressure limitations.

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**Quality Assurance:** The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc.** (FBC Organization # QUA1844).

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

- TAS 201-94
- TAS 202-94
- TAS 203-94
- AAMA 501-15
- ASTM E1886-13a
- ASTM E1996-17

**Referenced Data:**

1. Product Testing performed by **Architectural Testing, Inc.**  
(FBC Organization # TST9424)  
Report: N4451.01-801-32 Dated: 12/09/22  
N4458.01-801-18 Dated: 12/09/22  
Report Signed & Sealed by Tyler Westerling FL P.E. No. 72012

**Installation:**

Refer to Installation Instructions (**OBE008**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

Refer to Installation Instructions (**OBE008**) for design pressures based on size, configuration, and glass types.