

Product Evaluation Report

of

**Trinity Glass International
8'0" Opaque Fiberglass Door - Inswing/Outswing
(HVHZ) (Non-Impact)**

for

Florida Product Approval

FL# FL20867

Report No. 8931

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Exterior Doors
Sub – Category:	Swinging Exterior Door Assemblies
Product:	8'0" Opaque Fiberglass Door - Inswing/Outswing
Materials:	Fiberglass
Product Dimensions:	See Installation Instructions, TGI014

Prepared for:

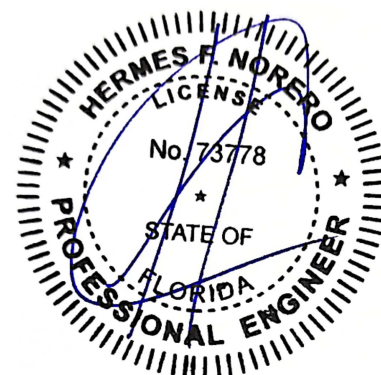
**Trinity Glass International
33615 1st Way S
Federal Way, WA 98003**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 10/11/2023

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

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

Manufacturer: Trinity Glass International

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

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

Product Name: 8'0" Opaque Fiberglass Door - Inswing/Outswing (HVHZ) (Non-Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Trinity Glass International** 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 **TGI014**, 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 require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **TGI014** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **TGI014** for size and design pressure limitations.

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:

- AAMA 1304-02
- ASTM E283-19
- ASTM E330-14
- ASTM E331-00(16)
- TAS 202-94

Referenced Data:

1. Product Testing performed by **Testing Evaluation Laboratories** (FBC Organization # TST4317)
Report #: TEL 08-01370046, Report Date: 07/10/2008
Reports Signed and Sealed by Wendell W. Haney, FL PE No. 54158

Report #: TEL 01470437, Report Date: 11/30/2011
Reports Signed and Sealed by Lyndon F. Schmidt, FL PE No. 43409
2. Material Testing performed by **Architectural Testing, Inc. (an Intertek company) - York, PA** (FBC Organization # TST1558)
Report #: D8467.01-106-18, Report Date: 01/23/2015
Report #: D8467.02-106-18, Report Date: 11/19/2014
3. Material Testing performed by **Testing Evaluation Laboratories** (FBC Organization # TST4317)
Report #: TEL 01370210, Report Date: 12/21/2009
4. Material Testing performed by **ETC Laboratories** (FBC Organization # TST2411)
Report #: ETC-01-756-10828.0, Report Date: 12/31/2001
Report #: ETC-05-781-16179.0, Report Date: 12/21/2005
Report #: ETC-05-781-16208.0, Report Date: 12/21/2005
Report #: ETC-05-781-17122.0, Report Date: 10/19/2005

Installation:

Refer to Installation Instructions (**TGI014**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**TGI014**) for design pressures based on size, configuration, and glass types.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. **Trinity Glass International** has tested their products to the following test standard edition(s):

- 1) ASTM E283-04
- 2) ASTM E330-02
- 3) ASTM E331-00

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E283-19
- 2) ASTM E330-14
- 3) ASTM E331-00(16)

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.