



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

Product Evaluation Report

of

Progressive Screens Fixed Track Fabric Shutter (HVHZ) (Impact)

for

Florida Product Approval

FL# FL41224

Report No. 7932

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Impact Protective Systems
Sub – Category: Fixed

Product: Fixed Track Fabric Shutter
**Material: Vinyl Coated Polyester Yarns, Vinyl Coated
Aramid or UHMWPP Yarns and 6063-T6
Aluminum**

Product Dimensions: See Installation Instructions, PRG007

Prepared for:

**Progressive Screens
7839 Fruitville Road
Sarasota, Florida 34240**

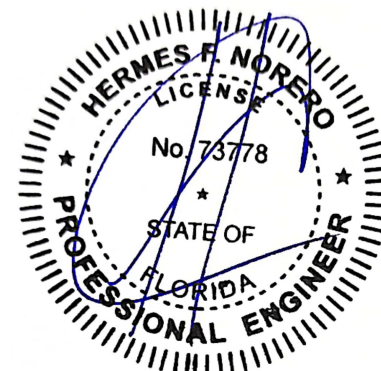
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 10/9/2023

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.19 13:54:38 -04'00'



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

Manufacturer: Progressive Screens

Product Category: Impact Protective Systems

Product Sub-Category: Fixed

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

Product Name: Fixed Track Fabric Shutter
(HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Progressive Screens** 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 on **PRG007**, 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 meets all requirements for impact resistant covering when installed in compliance with the requirements of **PRG007**.
4. Site conditions that deviate from the details of installation instructions **PRG007** require further engineering analysis by a licensed engineer or registered architect.
5. See installation instructions on **PRG007** for size and design pressure limitations.

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

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

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-14
- ASTM E1886-13
- ASTM E1996-14

Referenced Data:

1. Product Testing performed by **PRI Construction Materials Technologies, LLC**
(FBC Organization #TST5878)
Report #: 2422T0002 Report Date: 03/04/2022
Signed and Sealed by Zachary Priest, P.E. FL# 74021
2. Product Testing performed by **Blackwater Testing Inc.**
(FBC Organization # TST10394)
Report #: BT-PGS-19-001 Report Date: 10/16/2019
Signed and Sealed by Constantin Bortes, P.E. FL# 77915.
3. Material property testing performed by **Blackwater Testing Inc**
(FBC Organization #TST10394)
Report #: BT-TWI-15001 Report Date: 10/16/2019
Signed and sealed by Yamil Kuri, P.E. FL# 44726
ASTM D628 and ASTM G155 testing
4. Material property testing performed by **Twitchell Corporation**
ASTM G-53 testing
5. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #QUA2515)

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. Progressive Screens, has tested their product to the following test standards edition(s):

1. TAS 201-94
2. TAS 202-94
3. TAS 203-94

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

1. ASTM E330-14
2. ASTM E1886-13
3. ASTM E1996-14

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.

Installation Method: Please refer to Installation instructions, **PRG007**, for anchor methods, selection, spacing, edge distances, embedments and further details of installation.

Design Pressure: Please refer to Installation instructions, **PRG007**, for sizes, configurations, and design pressures.