



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

Product Evaluation Report

of

**Palm City Ironworks, Inc.
Urban Series Outswing/Inswing Doors
(WZ3) (Impact)**

for

Florida Product Approval

FL# FL27071

Report No. 7551

Current Florida Building Code

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

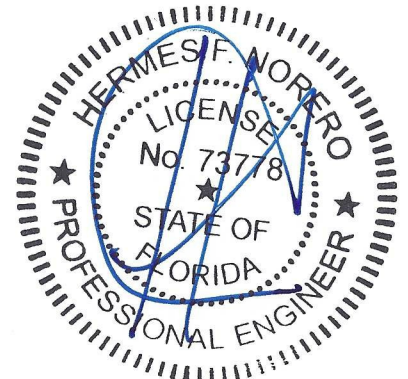
Product: Urban Series Outswing/Inswing Doors
Materials: Steel
Product Dimensions: See Installation Instructions, PCI016

Prepared for:

**Palm City Ironworks, Inc.
3160 Kutak Rd
Fort Myers, FL 33916**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 01/05/2023



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

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Manufacturer: Palm City Ironworks, Inc.

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

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

Product Name: **Urban Series Outswing/Inswing Doors (WZ3) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Palm City Ironworks, Inc.** 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 **PCI016**, 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 in Wind Zone 3 or less.
4. 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 in Wind Zone 4.
5. Site conditions that deviate from the details of installation instructions **PCI016** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **PCI016** 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 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 E283-04(12)
- ASTM E330-14
- ASTM E331-00(09)
- ASTM E1886-13a
- ASTM E1996-17
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Blackwater Technical Services Inc.** (FBC Organization # TST10394)
Report #: BT-RCI-21-001, Report Date: 12/12/2022
Report Signed and Sealed by Michael D. Caldwell, FL PE No. 49979
2. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America, Inc. (Previously DuPont)
Trosifol PVB Interlayer
SentryGlas Interlayer

Installation:

Refer to Installation Instructions (**PCI016**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**PCI016**) 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. **Palm City Ironworks, Inc.** has tested their products to the following test standard edition(s):

- 1) ASTM E283-04
- 2) ASTM E330-02
- 3) ASTM E331-00
- 4) ASTM E1886-05
- 5) ASTM E1996-14a

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

- 1) ASTM E283-04(12)
- 2) ASTM E330-14
- 3) ASTM E331-00(09)
- 4) ASTM E1886-13a
- 5) ASTM E1996-17

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.