



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

Product Evaluation Report

of

**Plyco Corporation
Series 92 TB Single Inswing/Outswing
Flush Door w/ Mortise Lock & Deadbolt
Non-Impact Rated**

for

Florida Product Approval

FL# FL16841

Report No. 6571

Current Florida Building Code

Method:	1 – A (Certification)
Category:	Exterior Doors
Sub – Category:	Swinging Exterior Door Assemblies
Product:	Series 92TB Single Inswing/Outswing Flush Door w/ Mortise Lock & Deadbolt
Materials:	Aluminum 6063-T5 and CS-B Steel
Product Dimensions:	51.75” x 86.12”

Prepared for:

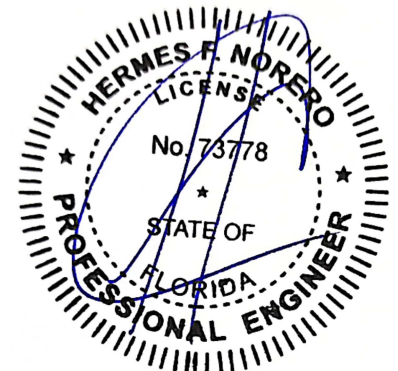
**Plyco Corporation
P.O. Box 386
500 Industrial Rd.
Elkhard Lake, WI 53020**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 9/5/2023

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

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Manufacturer: Plyco Corporation

Product Category: Exterior Doors

Product Sub-Category: Sliding Exterior Door Assemblies

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

Product Name: Series 92TB Single Inswing/Outswing
Flush Door w/ Mortise Lock & Deadbolt
Non-Impact Rated

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Plyco Corporation** based on Method 1a of the State of Florida Product Approval, Florida 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 Edition of the Florida Building Code.

See Installation Instructions **PCO019**, 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 Edition of the 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 Edition of the Florida Building Code and **does** require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **PCO019** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **PCO019** for size and design pressure limitations.

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Certification Agency: The manufacturer has demonstrated compliance of products in Accordance with the Florida Building Code for manufacturing under a Certification Agency through **National Accreditation & Management Institute** (FBC Organization #CER1773).

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

- ASTM E330-14

Referenced Data:

1. Product Testing performed by **Architectural Testing Inc.**
(FBC Organization # TST4120)
Report #: C9317.01-602-44 Report Date: 09/16/2013
2. Certification Agency
National Accreditation & Management Institute
(FBC Organization #CER1773)

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Installation: 1. Approved anchor types and substrates are as follows:

Through Frame Installation:

- A. For two by (2X) wood buck substrate (Min. S.G. = 0.55), use **#12 Wood Screw** type installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For concrete (Min. $f'c = 3000$ psi) or masonry (Conforms to ASTM C90) substrate where one by (1X), non-structural, wood bucking is employed, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
- C. For concrete (Min. $f'c = 3000$ psi) or masonry (Conforms to ASTM C90) substrate where wood bucking is NOT employed, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
- D. For steel stud substrate (Min 18 Ga., $F_y = 33$ ksi), use **#12 ITW TEK Screw** type steel stud anchors of sufficient length to achieve minimum 3 threads penetration beyond steel structure.

Refer to Installation Instructions (**PCO019**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Lock Type	Design Pressure
Mortise Lock & Deadbolt	+45 / -45 PSF