



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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Product Evaluation Report

of

Caoba Doors

Glazed Outswing Mahogany Doors

for

Florida Product Approval

FL# FL16637

Report No. 3602

Current Florida Building Code

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

Product: Glazed Outswing Mahogany Doors
Material: Mahogany (Min. S.G. = 0.42)

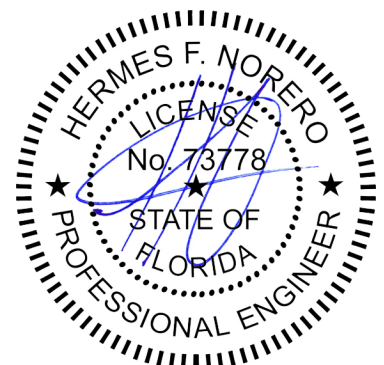
Prepared For:
Caoba Doors
4918 Cedar Avenue
Philadelphia, PA 19143

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 04/27/15

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2015.04.28 21:44:38 -04'00'



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



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FL#: **FL16637**

Date: 04/27/15

Report No: 3602

Manufacturer: Caoba Doors

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

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

Product Name: **Glazed Outswing Mahogany Doors**
(Impact-HVHZ)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Caoba Doors** based on Method 1d 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 Florida Building Code.

See Installation Instructions **CAB021**, 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 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 Florida Building Code and does not require an impact resistant covering.
5. Site conditions that deviate from the details of drawing **CAB021** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **CAB021** for size and design pressure limitations.



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Quality Assurance:

The manufacturer has demonstrated compliance of products in accordance with the 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 tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Certified Testing Laboratory**
Report #: CTLA-1283W-1, Report Date: 06/16/05
Report #: CTLA-1283W-2, Report Date: 06/16/05
Report #: CTLA-1283W-3, Report Date: 06/16/05
Report #: CTLA-1283W-4, Report Date: 06/16/05
Report #: CTLA-1283W-5, Report Date: 06/16/05
Report #: CTLA-1283W-6, Report Date: 06/16/05
Report #: CTLA-1283W-7, Report Date: 06/16/05
Report #: CTLA-2085W, Report Date: 01/30/12
Report #: CTLA-2085W-1, Report Date: 01/30/12
Report #: CTLA-2085W-2, Report Date: 01/30/12
Report #: CTLA-2085W-3, Report Date: 01/30/12
2. Quality Assurance
National Accreditation and Management Institute
(FBC Organization #: QUA1789)
3. Material Certification
Miami Dade RER – Product Control Section NOA
Saflex HP by Eastman Chemical Company (Formerly by Solutia)

Hermes F. Norero, P.E.

Florida No. 73778

Page 3 of 4



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

- A. For two by (2X) wood frame substrate, use **#12 Wood Screw** type installation anchors of sufficient length to achieve minimum embedment of 1.50" into wood substrate.
- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, or directly to concrete/masonry, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry, 2 1/2" edge distance, and 3" min. spacing between anchors.

Installation Methods:

Refer to Installation Instructions ([CAB021](#)) for anchor spacing, selection, location, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions ([CAB021](#)) for design pressure ratings based on size, configuration, and hardware selection.