



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

Product Evaluation Report

of

Allegion-Schlage Lock Company, LLC
Outswing Single/Double Flush with Falcon MA series Mortise Lock
(HVHZ)(Impact)

for

Florida Product Approval

FL# FL16740

Report No. 8780

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Exterior Doors
Sub – Category:	Swinging Exterior Door Assemblies
Product:	Outswing Single/Double Flush with Falcon MA Series Mortise Lock
Material:	16ga Min. Cold Rolled Steel
Product Dimensions:	See Installation Instructions FMA-DF/FMA-SF

Prepared for:

Allegion-Schlage Lock Company, LLC.
11819 N. Pennsylvania Street
Carmel, IN 46032

Prepared by:

Hermes F. Norero

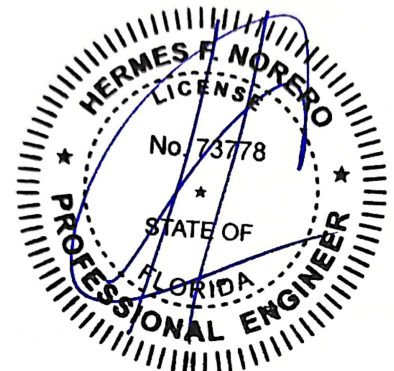
Florida Professional Engineer # 73778

Date: 9/08/2023

Contents:

Evaluation Report

Pages 1 – 4



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



FL#: FL16740
Date: 9/8/2023
Report No: 8780

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

Manufacturer: Allegion-Schlage Lock Company, LLC.

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

Compliance Method: State Product Approval Method 1(d)

Product Name: Outswing Single/Double Flush with Falcon MA Series Mortise Lock (HVHZ)(Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Allegion-Schlage Lock Company, LLC.** 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 Florida Building Code.

See Installation Instructions **FMA-DF/FMA-SF**, 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.
4. Site conditions that deviate from the details of Installation Instructions **FMA-DF/FMA-SF** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **FMA-DF/FMA-SF** for size and design pressure limitations.



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Quality Assurance: The manufacturer has demonstrated compliance of manufacture products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Intertek Testing Services NA, Inc. - QA Entity** (FBC Organization #: QUA1673).

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

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

1. Product Testing performed by **UL LLC**
(FBC Organization # TST9628)
Report #: 4786340544 Report Date: 07/31/14
2. Product Testing performed by **Certified Testing Laboratories**
(FBC Organization # TST1577)
Report #: CTLA-3064W-10, Report Date: 01/08/16
Report #: CTLA-3064W-15, Report Date: 01/08/16
All reports signed and sealed by Ramesh Patel FL P.E. No 20224
3. Quality Assurance Entity:
Intertek Testing Services NA Inc. – QA Entity
(FBC Organization #: QUA1673)

Installation: Refer to Installation Instructions (**FMA-DF/FMA-SF**) for qualified installation methods and requirements.

Design Pressure: Refer to Installation Instructions (**FMA-DF/FMA-SF**) for design pressures dependent on hardware type, configuration, and size of units.

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. The manufacturer has tested their products to the following test standard edition(s):

- 1) ASTM E1886-05
- 2) ASTM E1996-09
- 3) ASTM E330-02

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

- 1) ASTM E1886-13a
- 2) ASTM E1996-14a
- 3) ASTM E330-14

After review of the above-mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent.