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

# Product Evaluation Report

*of*

**YKK AP America, Inc.**
**Series 35H Aluminum Outswing Entrance Door**
**(HVHZ) (Impact)**

*for*

**Florida Product Approval**

## FL# FL16554

## Report No. 11545

**Current Florida Building Code**

| | |
|---|---|
| **Method:** | **1 – D (Engineering Evaluation)** |
| **Category:** | **Exterior Doors** |
| **Sub – Category:** | **Swinging Exterior Door Assemblies** |
| **Product:** | **Series 35H Aluminum Outswing Entrance Door (HVHZ) (Impact)** |
| **Materials:** | **Aluminum 6063-T5** |
| **Product Dimensions:** | **See Installation Instructions, YKK020** |

**Prepared for:**
YKK AP America
101 Marietta Street NW, Suite 2100
Atlanta, GA 30303

**Prepared by:**
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 7/31/2026

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.06 19:31:53 -04'00'

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

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

**Manufacturer:** **YKK AP America, Inc.**

**Product Category:** Exterior Doors

**Product Sub-Category:** Swinging Exterior Door Assemblies

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

**Product Name:** **Series 35H Aluminum Outswing Entrance Door (HVHZ) (Impact)**

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **YKK AP America, 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 **YKK020**, 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 **does not require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **YKK020** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **YKK020** 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 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:

- ASTM E283-19
- ASTM E330-14
- ASTM E1886-19
- ASTM E1996-23
- TAS 201-94
- TAS 202-94
- TAS 203-94

**Referenced Data:**

1. Product Testing performed by **Intertek**
   (FBC Organization # TST3892)
   Report #: P2377.03-550-18, Report Date: 10/03/22
   Report #: P2377.04-550-18, Report Date: 10/03/22
   Report #: P2377.05-550-18, Report Date: 10/04/22
   Report #: P2377.06-550-18, Report Date: 10/04/22
   Report #: P3818.01-550-18, Report Date: 11/30/22
   Report #: P3818.02-550-18, Report Date: 12/01/22
   Report #: P2377.02-550-18, Report Date: 10/17/22
   Report #: P2377.08-550-18, Report Date: 10/17/22
   Reports Signing Engineer: Tanya A. Dolby, FL P.E. # 93536

2. Product Testing performed by **Hurricane Test Laboratory, LLC.**
   (FBC Organization # TST1527)
   Report #: 0231-1117-03, Report Date: 03/29/04
   Report #: G231-0507-09, Report Date: 07/13/09
   Report #: G231-0801-09-R0, Report Date: 11/04/09
   Report #: G561-0402-10-R0, Report Date: 04/20/10
   Report #: G231-0103-11-R0, Report Date: 04/28/11
   Reports Signing Engineer: Vinu J. Abraham, FL P.E. # 53820



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3. Product Testing performed by **Architectural Testing, Inc.**
   (FBC Organization # TST3892)
   Report #: G8188.01-550-18, Report Date: 04/05/17
   Report Signing Engineer: J.P. McDonald, FL P.E. # 77418

4. Product Testing performed by **Intertek**
   (FBC Organization # TST3892)
   Report #: I6616.01-550-18, Report Date: 10/01/18
   Report #: K4161.01-550-18, Report Date: 05/06/20
   Reports Signing Engineer: Vinu J. Abraham, FL P.E. # 53820

5. Additional Hardware Testing performed by **Architectural Testing, Inc.**
   (FBC Organization # TST3892)
   Report #: D2090.01-550-18, Report Date: 12/20/13
   Report Signing Engineer: Vinu J. Abraham, FL P.E. # 53820

6. Quality Assurance
   **Intertek Testing Services, Inc. – QA Entity**
   (FBC Organization # QUA1673)

7. Material Certification
   **Miami-Dade County Notice of Acceptance**
   **Eastman Chemical Company (Previously Solutia)**
   Saflex PVB Interlayer
   Vanceva Storm (Saflex CP) Interlayer

8. Material Certification
   **Miami-Dade County Notice of Acceptance**
   **Kuraray America (Previously E.I. DuPont De Nemours & Co. Inc.)**
   SentryGlas Interlayer
   Trosifol (Previously Butacite) PVB Interlayer

**Installation:**

Refer to Installation Instructions (**YKK020**) for anchor types, spacing, and more details of the installation requirements.

**Design Pressure:**

Refer to Installation Instructions (**YKK020**) for design pressures based on size, configurations, 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. **YKK AP America, Inc.** has tested their products to the following test standard edition(s):

1) ASTM E283-04(12)
2) ASTM E1886-13a
3) ASTM E1996-14a/17

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

1) ASTM E283-19
2) ASTM E1886-19
3) ASTM E1996-23

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.