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. 9673

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
1229 Hwy 441 Bypass
Dublin, GA 31021

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 1/30/2025

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: 2025.02.07 11:44:43 -05'00'

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 E283-04(12)
- ASTM E330-14
- ASTM E1886-13a
- ASTM E1996-14a/17
- 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.

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