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

Product Evaluation Report

of

YKK AP America, Inc.
40M Monumental (HD) Entrance System
(Non-HVHZ) (Non-Impact)

for

Florida Product Approval

FL# FL12892

Report No. 8048

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Exterior Doors**
Sub – Category:	**Swinging Exterior Door Assemblies**
Product:	**40M Monumental (HD) Entrance System**
Materials:	**Aluminum 6063-T5**
Product Dimensions:	**See Installation Instructions, YKK222**

Prepared for:
YKK AP America, Inc.
1229 Hwy 441 Bypass
Dublin, GA 31021

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 05/18/2022

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: 2022.10.14 16:40:00 -04'00'

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

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

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: **40M Monumental (HD) Entrance System (Non-HVHZ) (Non-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 **YKK222**, 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, **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 Florida Building Code and **does require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **YKK222** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **YKK222** for size and design pressure limitations.

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM

Quality Assurance:

The manufacturer has demonstrated compliance of manufacture of products in accordance with the current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc., an Intertek Company.**
(FBC Organization # QUA1844)

Performance Standards:

The product described herein has been evaluated per:

- ASTM E283-04(12)
- ASTM E330-14

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Lithia Springs, GA / Atlanta**
   (FBC Organization # TST3892)
   Report #: 0231-0623-03, Report Date: 04/30/09

Installation:

Refer to Installation Instructions (**YKK222**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**YKK222**) for design pressures based on size, configuration, and glass types.

954.399.8478
954.744.4738
BUILDINGDROPS.COM
CONTACT@BUILDINGDROPS.COM

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
2) ASTM E330-02

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

1) ASTM E283-04(12)
2) ASTM E330-14

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.

954.399.8478
954.744.4738
BUILDINGDROPS.COM
CONTACT@BUILDINGDROPS.COM