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

Product Evaluation Report

of

YKK AP America, Inc.
YOW 225 H Non-Thermal Aluminum Fixed Window
(WZ3) (Impact)

for

Florida Product Approval

FL# FL16314

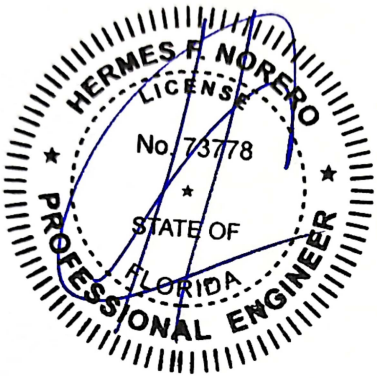
Report No. 6815

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Fixed**
Product:	**YOW 225 H Non-Thermal Aluminum Fixed Window**
Materials:	**Aluminum 6063-T5**
Product Dimensions:	**See Installation Instructions, YKK178**

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: 05/05/2023



Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.02 11:37:23 -04'00'

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

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

Product Category: Windows

Product Sub-Category: Fixed

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

Product Name: **YOW 225 H Non-Thermal Aluminum Fixed Window (WZ3) (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 **YKK178**, 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 not require** an impact resistant covering in Wind Zone 3 or less.
4. 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 in Wind Zone 4.
5. Site conditions that deviate from the details of installation instructions **YKK178** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **YKK178** 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 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:

- AAMA/WDMA/CSA 101/I.S.2/A440-17
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Hurricane Test Laboratory, LLC.**
   (FBC Organization # TST1527)

Report #:	Report Date:
0231.1019-05	01/23/06
0231-0316-06	03/28/06

   Signed and Sealed by Vinu J. Abraham, FL P.E. No. 53820

2. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Lithia Springs, GA / Atlanta**
   (FBC Organization # TST3892)

Report #:	Report Date:
G8241.04-550-18	06/09/17
J4484.01-550-44	06/10/19
J4484.02-550-44	06/10/19
I5654.01-550-44	07/24/18

   Signed and Sealed by Vinu J. Abraham, FL P.E. No. 53820

3. Quality Assurance
   Architectural Testing, Inc., an Intertek Company
   (FBC Organization # QUA1844)

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Installation:

Refer to Installation Instructions (**YKK178**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**YKK178**) for design pressures based on size, configuration, and glass types.

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