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

Product Evaluation Report

of

YKK AP America Residential
StyleGuard "5400" Sliding Glass Door
(HVHZ) (Impact)

for

Florida Product Approval

FL# FL16605

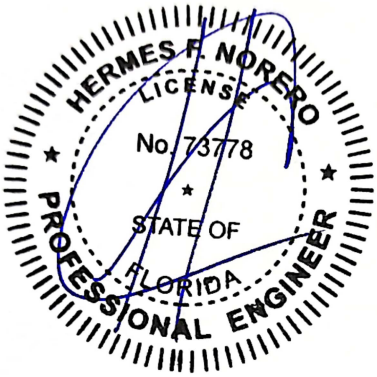
Report No. 9511

Current Florida Building Code

Method:	**1 – A (Certification)**
Category:	**Exterior Doors**
Sub – Category:	**Sliding Exterior Door Assemblies**
Product:	**StyleGuard "5400" Sliding Glass Door**
Materials:	**PVC**
Product Dimensions:	**See Installation Instructions, YKK149**

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

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 11/19/2024



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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.11.19 14:54:32 -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 Residential**

Product Category: Exterior Doors

Product Sub-Category: Sliding Exterior Door Assemblies

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

Product Name: **StyleGuard "5400" Sliding Glass Door (HVHZ) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **YKK AP America Residential** based on Method 1a 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 **YKK149**, 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 **YKK149** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **YKK149** for size and design pressure limitations.

954.399.8478 954.744.4738
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Certification Agency: The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under an approved certification agency through **National Accreditation & Management Institute, Inc.** (FBC Organization # CER1773).

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

- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
   (FBC Organization # TST3892)
   Report #: E0597.05-550-44 Report Date: 01/05/15
   Report #: E0597.06-550-44 Report Date: 01/05/15
   Report #: E0597.07-550-44 Report Date: 01/05/15
   Report #: E0597.08-550-44 Report Date: 01/05/15
   Reports Signed by Shawn G. Collins FL P.E. No. 70655

2. Product Testing performed by **Molimo LLC**
   (FBC Organization # TST11282)
   Report #: 29765.02-106-13 Report Date: 11/11/24
   Report #: 29765.03-106-13 Report Date: 11/11/24
   Report #: 29765.04-106-13 Report Date: 11/11/24
   Reports Signed by Michael D. Stremmel FL P.E. No. 65868

3. Material Certification
   Miami-Dade RER – Product Control Section NOA
   SentryGlas Interlayer by Kuraray
   Trosifol PVB Interlayer by Kuraray
   Saflex PVB Interlayer by Eastman Chemical Co.

4. Material Testing by **ETC Laboratories**, ETC-05-662-17004.0.
   For PVC Material (ASTM D635, ASTM D638, ASTM D1929, ASTM D2843)

5. **Certified Profile License by AAMA**
   AAMA 303 Fenestration Exterior Profile Certification Program
   (For PVC Lineal Material)
   YKK AP America, Inc. – YKK-1

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Installation:

Refer to Installation Instructions (**YKK149**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**YKK149**) for design pressure configurations.

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