



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

Product Evaluation Report

of

**Andersen Corporation
Renewal by Andersen Glider Windows
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL19563

Report No. 9394

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Windows
Sub – Category: Horizontal Slider

Product: Renewal by Andersen Glider Windows
Materials: Fibrex® & PVC
Product Dimensions: See Installation Instructions, AWD322

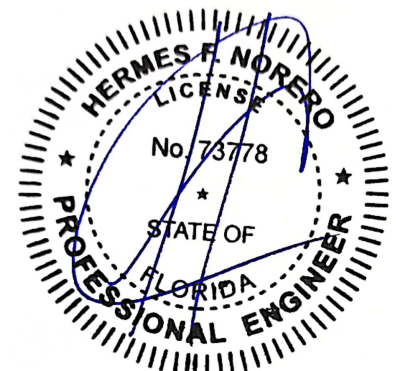
Prepared for:
Andersen Corporation
100 4th Ave. N
Bayport, Minnesota 55003

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/06/2022

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.08.26 16:20:41 -04'00'



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

Manufacturer: Andersen Corporation

Product Category: Windows

Product Sub-Category: Horizontal Slider

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

Product Name: **Renewal by Andersen Glider Windows (HVHZ) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Andersen Corporation** 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 **AWD322**, 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 **AWD322** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD322** for size and design pressure limitations.

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 **Window and Door Manufacturers Association** (FBC Organization # QUA2515).

Performance Standards:

The product described herein has been evaluated per:

- AAMA/WDMA/CSA 101/I.S.2/A440-17
- ASTM E1886-19
- ASTM E1996-20
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Fridley, MN**

(FBC Organization #: TST1795)

Report #: N8432.01-201-18,

Report Date: 08/03/22

TAS report signed and sealed by Tanya A. Dolby, Florida PE #93536

Report #: N8432.02-201-18,

Report Date: 08/11/22

Report #: N8437.01-201-44,

Report Date: 08/10/22

Report #: N8438.01-201-44,

Report Date: 08/10/22

Report #: N8439.01-201-44,

Report Date: 08/11/22

2. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - York, PA**

(FBC Organization #: TST1558)

ASTM D635

ASTM D638

ASTM D1929

ASTM G155

Report #: K5663.01-106-18,

Report Date: 04/02/21

ASTM E84

Report #: K5663.04-121-14,

Report Date: 06/04/20

3. Product Testing performed by **Aspen Research Corporation**
(FBC Organization #: TST1585)
"South Florida outside 45 degree exposure for 5 years" (in lieu of ASTM G26/G155) & ASTM D 638
Report #: F4693, Report Date: 03/24/99
4. Product Testing performed by **Intertek Testing Services NA Inc (Elm)**
ASTM D635
Report #: 3100559SAT-007 Report Date: 08/08/06
ASTM D1929
Report #: 3100559SAT-001 Report Date: 08/09/06
ASTM E84
Report #: 3100559SAT-004 Report Date: 08/04/06
5. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America, Inc. (Previously DuPont)
Trosifol PVB Interlayer
6. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)

Installation:

Refer to Installation Instructions (**AWD322**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD322**) for design pressures based on size, configuration, and glass types.