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

Product Evaluation Report

of

Andersen Corporation
A-Series Direct-Set Fixed Windows with Stormwatch Protection (HVHZ) (Impact)

for

Florida Product Approval

FL# FL24174

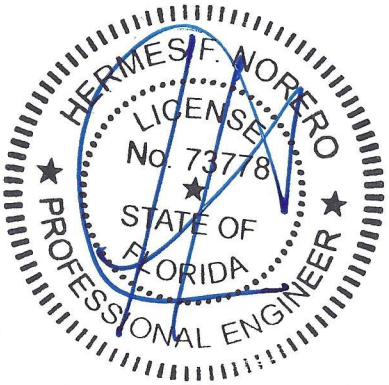
Report No. 7696

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Fixed**
Product:	**A-Series Direct-Set Fixed Windows with Stormwatch Protection**
Materials:	**Ponderosa Pine & LVL**
Product Dimensions:	**See Installation Instructions, AWD147**

Prepared for:
Andersen Corporation
100 Fourth Ave North
Bayport, MN 55003-1096

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 08/05/2021



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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.09.26 13:13:18 -04'00'

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

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

Manufacturer:	**Andersen Corporation**
Product Category:	Windows
Product Sub-Category:	Fixed
Compliance Method:	State Product Approval Method (1)(d)
Product Name:	**A-Series Direct-Set Fixed Windows with Stormwatch Protection (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 **AWD147**, 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 **AWD147** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD147** 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 **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 E1886-13a
- ASTM E1996-17
- 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 #:	Report Date:
N3886.01-201-18	08/31/22

TAS Report Signed and Sealed by Tanya A. Dolby, FL PE No. 93536

B1576.01-201-18	01/03/12
C0047.01-201-18	10/03/12

TAS Reports Signed and Sealed by Shawn G. Collins, FL PE No. 70655

Report #:	Report Date:
B1576.02-201-18-R2	03/28/12
B1577.01-201-18	12/07/11
B1578.01-201-18	12/07/11
B1579.01-201-18	12/07/11
B1580.01-201-18	12/07/11
B1581.01-201-18	12/07/11
B1582.01-201-18-R1	03/28/12
B1583.01-201-18-R1	03/28/12
C0047.04-201-18	10/03/12
I0027.01-201-47	04/24/18
I0027.04-201-47	04/24/18

I0028.01-201-47	04/03/18
I0028.04-201-47	04/03/18
I0029.01-201-47	04/02/18
I0029.04-201-47	04/02/18

2. Material Certification
   Miami-Dade County Notice of Acceptance
   Kuraray America, Inc. (Previously DuPont)
   Trosifol PVB Interlayer
   SentryGlas Interlayer

Installation:

Refer to Installation Instructions (**AWD147**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD147**) for design pressures based on size, configuration, and glass types.

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. **Andersen Corporation** has tested their products to the following test standard edition(s):

1) AAMA/WDMA/CSA 101/I.S.2/A440-05/08
2) ASTM E1886-02/05
3) ASTM E1996-02/05/06/14a

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

1) AAMA/WDMA/CSA 101/I.S.2/A440-17
2) ASTM E1886-13a
3) ASTM E1996-17

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.

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