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

Product Evaluation Report

of

Andersen Corporation
Renewal by Andersen
Coastal Series Awning Window
(HVHZ) (Impact)

for

Florida Product Approval

FL# FL19561

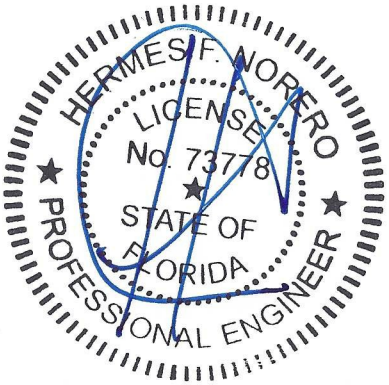
Report No. 8117

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Awning**
Product:	**RbA Coastal Series Awning Window (HVHZ) (Impact)**
Materials:	**Fibrex/PVC**
Product Dimensions:	**See Installation Instructions, AWD320**

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

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 12/16/2022



Contents:

Evaluation Report Pages 1 – 5

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.12.19 14:14:29 -05'00'

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

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

Manufacturer: **Andersen Corporation**

Product Category: Windows

Product Sub-Category: Awning

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

Product Name: **RbA Coastal Series Awning Window (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 **AWD320**, 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 **AWD320** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD320** for size and design pressure limitations.

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM

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

Quality Assurance: The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Window and Door Manufactures Association** (FBC Organization # QUA2515).

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

- AAMA/WDMA/CSA 101/I.S.2/A440-11/17
- ASTM E1886-13
- ASTM E1996-17
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing Performed by **Intertek, Inc. – Fridley, MN**
   (FBC Organization # TST1795)

Report:	Dated:
N8461.01-201-18	8/01/2022
N8754.01-201-18	8/01/2022
Signed & sealed by Tanya D. Dolby FL P.E. No. 93536, 8/18/22	
N8461.02-201-44	8/11/2022
N8754.02-201-44	8/04/2022
N8504.01-201-44	8/25/2022
N8503.01-201-44	8/24/2022
N8502.01-201-44	8/24/2022
N8496.01-201-44	8/04/2022
N8501.01-201-44	8/24/2022
N8505.01-201-44	8/25/2022
N8499.01-201-44	8/04/2022

2. Quality Assurance
   Window and Door Manufactures Association
   (FBC Organization #: QUA2515)

3. **Material Certifications for fiberglass by Intertek ETL Semko:**
   ASTM D 635
   Report #: J20039829-231 Date: 2/23/01

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM

Material Certifications for fiberglass by Intertek:
ASTM D 1929
Report #: 100581691MID-002 Date: 2/17/2012
ASTM E 84
Report #: 100581691SAT-001A Date: 2/27/2012
Material Certifications for fiberglass by PRI Asphalt Technologies:
ASTM G 26 & ASTM D 638
Report #: ARR-03-02-01 Date: 8/14/01

4. **Material Certifications for PVC by Aspen Research Corporation:**
"South Florida outside 45 degree exposure for 5 years" (in lieu of ASTM G 26/G 155) & ASTM D 638
Report #: F4693 Date: 03/24/99
Material Certifications for PVC by Intertek ETL Semko:
ASTM E 84
Report #: 3100559SAT-004 Date: 08/04/06
ASTM D 1929
Report #: 3100559SAT-001 Date: 08/09/06
ASTM D 635
Report #: 3100559SAT-007 Date: 08/08/06

5. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America, Inc.
Trosifol PVB Interlayer

Installation:

Refer to Installation Instructions (**AWD320**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD320**) for design pressure configurations.

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM

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

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) ASTM E1886-19
2) ASTM E1996-20

Chapter 35 of the current Florida Building Code references the following editions of the above

1) ASTM E1886-13
2) 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.

954.399.8478
954.744.4738
BUILDINGDROPS.COM
CONTACT@BUILDINGDROPS.COM