



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

Product Evaluation Report

of

Andersen Corporation

**400 Series Awning Window with Stormwatch Protection
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL15727

Report No. 6678

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Windows
Sub – Category:	Awning
Product:	400 Series Awning Window with Stormwatch Protection (HVHZ) (Impact)
Materials:	Ponderosa Pine or Equivalent
Product Dimensions:	See Installation Instructions, AWD136

Prepared for:

**Andersen Corporation
100 Fourth Avenue N.
Bayport, MN 55003-1096**

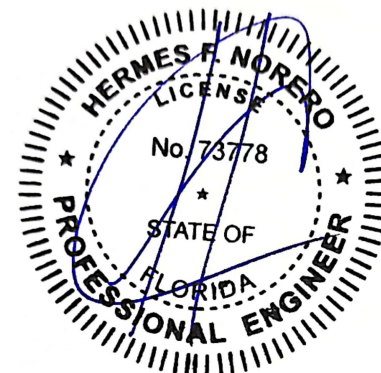
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 6/2/2023

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 20:40:50 -04'00'



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: 400 Series Awning Window 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 **AWD136**, 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 **AWD136** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD136** 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 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:

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

Referenced Data:

1. Product Testing Performed by **Architectural Testing, Inc.**
(FBC Organization # TST1558)
Report: 59680.01-201-18 Dated: 09/06/05
02-46289.01 09/20/03
02-33344.01 08/01/01
Signed & Sealed by Joseph A. Reed, FL P.E. No. 58920
2. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)
3. Material Certification
Miami-Dade RER – Product Control Section NOA
Kuraray, formally known as E.I. Dupont de Nemours & Co. Butacite
PVB Interlayer
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



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Installation:

Refer to Installation Instructions (**AWD136**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD136**) for design pressure configurations.

