



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

## Product Evaluation Report

*of*

**Andersen Corporation  
A-Series Gliding Patio Door  
(HVHZ) (Impact)**

*for*

**Florida Product Approval**

**FL# FL14429**

**Report No. 9051**

**Current Florida Building Code**

<b>Method:</b>	<b>1 – D (Engineering Evaluation)</b>
<b>Category:</b>	<b>Exterior Doors</b>
<b>Sub – Category:</b>	<b>Sliding Exterior Door Assemblies</b>
<b>Product:</b>	<b>A-Series Gliding Patio Door</b>
<b>Materials:</b>	<b>Ponderosa Pine</b>
<b>Product Dimensions:</b>	<b>See Installation Instructions, AWD118</b>

**Prepared for:**

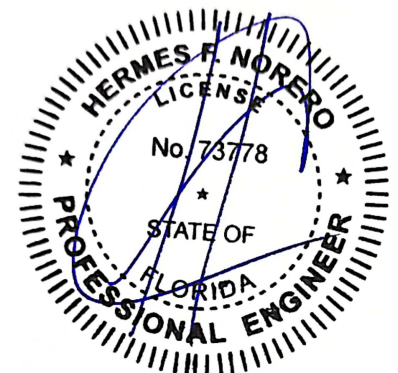
**Andersen Corporation  
100 Fourth Avenue North  
Bayport, MN 55003**

**Prepared by:**

**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 12/18/2023

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

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

**Manufacturer:** Andersen Corporation

**Product Category:** Exterior Doors

**Product Sub-Category:** Sliding Exterior Door Assemblies

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

**Product Name:** A-Series Gliding Patio Door (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 **AWD118**, 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 **AWD118** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD118** 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-QA**. (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 #: P1634.01-201-18,	Report Date: 02/13/2023
Report #: P1634.03-201-18,	Report Date: 02/13/2023
Report #: P1634.04-201-18,	Report Date: 02/13/2023
TAS Reports Signed and Sealed by Tanya A. Dolby, FL PE No. 93536	

Report #: P1634.02-201-44,	Report Date: 04/19/2023
Report #: P1634.06-201-44,	Report Date: 04/20/2023
Report #: P1634.07-201-44,	Report Date: 04/20/2023
Report #: P1634.08-201-44,	Report Date: 04/20/2023
Report #: P1644.01-201-44-R1,	Report Date: 10/27/2023
Report #: P1645.01-201-44-R1,	Report Date: 10/27/2023
Report #: P1647.01-201-44-R1,	Report Date: 10/27/2023
Report #: P1650.01-201-44-R1,	Report Date: 10/27/2023
Report #: P1652.01-201-44-R1,	Report Date: 10/27/2023
Report #: P1654.01-201-44-R1,	Report Date: 10/26/2023
Report #: P5550.01-201-44,	Report Date: 02/13/2023

Report #: A3225.01-201-18-R1,	Report Date: 02/13/2011
Report #: A3225.02-201-18,	Report Date: 07/07/2011
TAS Reports Signed and Sealed by Joseph A. Reed, FL PE No. 58920	

Report #: 84570.01-201-47-R1,	Report Date: 06/30/2008
Report #: 89935.01-201-47,	Report Date: 04/01/2009
Report #: 89939.04-201-47,	Report Date: 03/31/2009
Report #: 90211.01-201-47,	Report Date: 07/23/2008
Report #: 90214.01-201-47-R1,	Report Date: 04/01/2009
Report #: 95594.02-201-18,	Report Date: 08/20/2009
Report #: 95668.02-201-18,	Report Date: 01/12/2010
Report #: 95669.02-201-18,	Report Date: 01/07/2010
Report #: 95669.05-201-18,	Report Date: 08/05/2010
Report #: 95670.02-201-44,	Report Date: 01/06/2010
Report #: 95671.05-201-44,	Report Date: 01/12/2010
Report #: D0601.01-201-18,	Report Date: 03/17/2014
Report #: D0601.02-201-18,	Report Date: 07/24/2014
Report #: D0601.03-201-18,	Report Date: 07/24/2014
Report #: D0623.01-201-18,	Report Date: 03/17/2014
Report #: D0623.02-201-18,	Report Date: 07/24/2014
Report #: D0623.03-201-18,	Report Date: 07/24/2014
Report #: D0624.01-201-18,	Report Date: 03/17/2014
Report #: D0624.02-201-18,	Report Date: 07/24/2014
Report #: D0624.03-201-18,	Report Date: 07/24/2014
Report #: D0625.01-201-18,	Report Date: 03/13/2014
Report #: D0625.02-201-18,	Report Date: 07/24/2014
Report #: D0625.03-201-18,	Report Date: 07/14/2014
Report #: D0664.01-201-44,	Report Date: 07/14/2014
Report #: D0664.04-201-44,	Report Date: 07/14/2014
Report #: D0665.01-201-44,	Report Date: 07/14/2014
Report #: D0665.04-201-44,	Report Date: 07/14/2014
Report #: D0666.01-201-44,	Report Date: 07/14/2014
Report #: D0666.04-201-44,	Report Date: 07/14/2014
Report #: D0667.01-201-44,	Report Date: 07/14/2014
Report #: D0667.04-201-44,	Report Date: 07/14/2014

2. **Material Certifications for fiberglass by Intertek ETL Semko:**

ASTM D 635

Report #: J20039829-231 Report Date: 02/23/2001

**Material Certifications for fiberglass by Intertek:**

ASTM D 1929

Report #: 100581691MID-002 Report Date: 02/17/2012

ASTM E 84

Report #: 100581691SAT-001A Report Date: 02/27/2012

**Material Certifications for fiberglass by PRI Asphalt Technologies:**

ASTM G 26 & ASTM D 638

Report #: ARR-03-02-01

Report Date: 08/14/2001

3. **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

Report Date: 03/24/1999

**Material Certifications for PVC by Intertek ETL Semko:**

ASTM E 84

Report #: 3100559SAT-004

Report Date: 08/04/2006

ASTM D 1929

Report #: 3100559SAT-001

Report Date: 08/09/2006

ASTM D 635

Report #: 3100559SAT-007

Report Date: 08/08/2006

**Installation:**

Refer to Installation Instructions (**AWD118**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

Refer to Installation Instructions (**AWD118**) 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/A440-08
- 2) ASTM E1886-02
- 3) ASTM E1996-02

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 E1886-19
- 3) ASTM E1996-20

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.