



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

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Product Evaluation Report

of

**Air Master Awning, LLC
Single Hung Window with Insulated Glass
HVHZ Impact Rated**

for

**Florida Product Approval
Report No. 5044**

Current Florida Building Code

Method: 1 – A (Certificate Method)
Category: Windows
Sub – Category: Single Hung

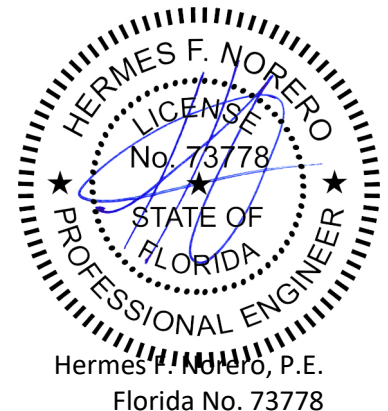
Product: Single Hung Window with Insulated Glass
Material: 6063-T5 Aluminum
Product Dimensions: 53.125" x 76"

Prepared for:
Air Master Awning, LLC
Road PR #2 interior KM 56.7
Barceloneta, PR 00617

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 08/23/2017

Contents:
Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2017.10.16 09:31:52 -04'00'





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Date: 08/23/2017

Report No: 5044

Manufacturer: Air Master Awning, LLC

Product Category: Windows

Product Sub-Category: Single Hung

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

Product Name: Single Hung Window with Insulated Glass
HVHZ Impact Rated

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Air Master Awning, LLC** based on Method 1a of the State of Florida Product Approval, Florida Department of Business & 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 **AIR015**, 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 drawing **AIR015** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AIR015** for size and design pressure limitations.



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Certification Agency: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a program audited by and approved by **National Accreditation and Management Institute** (FBC Org. #: CER1773).

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

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

Referenced Data:

1. Product Testing performed by **Blackwater Testing Inc.**
(FBC Organization # TST10394)
Report: BT-AM-15-002B, Report Date: 07/20/2015
Signed and Sealed by Yamil Kuri, FL PE # 44726
2. Certification Agency
National Accreditation and Management Institute
(FBC Organization #CER1773)
3. Material Certification
Miami-Dade RER – Product Control Section
Saflex CP Interlayer by Eastman Chemical Co.



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Installation: 1. Approved anchor types and substrates are as follows:

Through Frame Installation:

- A. For two by (2X) wood buck substrate (Min. S.G. = 0.55), use **#14 Wood Screw** installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For concrete (Min. $f'c$ = 3000 psi) or hollow block or grout filled masonry (Conforms to ASTM C90) substrate where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter Elco Ultracon** anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Refer to Installation Instructions (**AIR015**) for anchor spacing and more details of the installation requirements.

Design Pressure:

DESIGN PRESSURE RATING		
OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
53 1/8" X 76"	+/- 73.7 PSF	LARGE MISSILE IMPACT

Hermes F. Norero, P.E.

Florida No. 73778

Page 4 of 4