



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

Product Evaluation Report

of

**Marco Industries
Python™ 150 Vent**

for

Florida Product Approval

FL# FL38735

Report No. 8878

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Roofing
Sub – Category:	Roofing Accessories that are an Integral Part of the Roofing System
Product:	Python™ 150 Vent
Material:	Polypropylene

Prepared for:

**Marco Industries
4400 S 72nd E. Avenue, Bldg. 5
Tulsa, OK 74145**

Prepared by:

Hermes F. Norero, P.E.

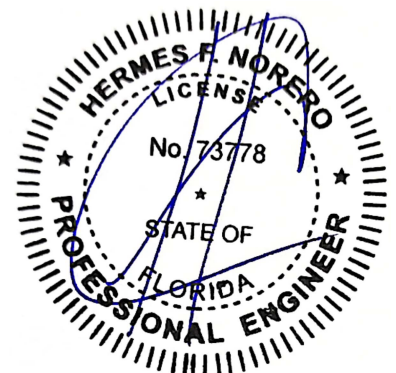
Florida Professional Engineer # 73778

Date: 10/04/2023

Contents:

Evaluation Report

Pages 1 – 5



Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.20 17:22:11 -04'00'

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



FL#: FL38735
Report #: 8878
Date: 10/04/2023

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Manufacturer: Marco Industries

Product Category: Roofing

Product Sub-Category: Roofing Accessories that are an Integral Part of the Roofing System

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

Product Name: Python™ 150 Vent

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Marco Industries** based on Method 1d of the Florida 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 Edition Florida Building Code.

See applicable manufacturer's installation instructions for installation procedures.

Limits of Use:

1. This product has been evaluated and is in compliance with the Current Edition Florida Building Code, **including** the "High Velocity Hurricane Zone" (HVHZ).
2. Refer to applicable Building Code required ventilation.
3. Python™ 150 Vent are approved to be installed over asphalt shingles.
4. Python™ 150 Vent approved to be installed on roofs with minimum pitch of 2:12.
5. Python™ 150 Vent shall not be installed on roof mean heights greater than 33 feet.
6. The installation shall be applied in compliance with the manufacturer's current published application instructions and the requirements set forth in applicable building code.
7. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
8. Site conditions that deviate from the details of applicable installation instructions require further engineering analysis by a licensed engineer or registered architect.
9. Product design pressures shall be compared to "ASD" component and cladding wind loads as determined in accordance with Chapter 16.

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Quality Assurance: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation and Management Institute** (FBC Organization #: QUA1789).

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

- TAS 100(A)-23
- ASTM E330-14
- ASTM D635
- ASTM D638
- ASTM D1929
- ASTM D2843
- ASTM G155

Referenced Sections: The product described herein has been evaluated for compliance with the Current Edition Florida Building Code per the following code sections:

- 1523.6.5.2.13
- 1609.1

Referenced Data:

1. Product Testing performed by **Fenestration Testing Laboratory**
(FBC Organization #: TST1657)
Report #: 6820, Report Date: 09/23/13
Signed & sealed by Marlin D. Brinson, PE 60749
2. Product Testing performed by **PRI Construction Materials Technologies**
(FBC Organization #: TST5878)
Report #: RSMF-003-02-01, Report Date: 03/21/11
Signed & sealed by Duc T. Nguyen, PE 65034
3. Product Testing performed by **Construction Consulting Laboratory, International**
(FBC Organization #: TST1685)
Report #: CCLI-09-270, Report Date: 01/04/10
Report #: CCLI-09-271, Report Date: 01/04/10
4. Product Testing performed by **Hurricane Engineering and Testing**
(FBC Organization #: TST1691)
Report #: HETI-12-F107, Report Date: 05/04/12
Report #: HETI-12-U113, Report Date: 11/12/12
Report #: HETI-12-U114, Report Date: 11/12/12
Report #: HETI-12-F107, Report Date: 05/04/12
Report #: HETI-12-A407, Report Date: 11/12/12
5. Quality Assurance
National Accreditation and Management Institute
(FBC Organization # QUA1789)

Installation:

Refer to manufacturer's installation instructions for further installation requirements.

Design Pressure:

Python™ 150 Vent Design Pressure
+/-75 psf

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. The manufacturer has tested their products to the following test standard edition(s):

- 1) ASTM E330-02
- 2) TAS 100(A)-95

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

- 1) ASTM E330-14
- 2) TAS 100(A)-23

After review of the above-mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent.

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Python™ 150 Vent Product Diagrams:

