

MARCO INDUSTRIES INC.

MIAMI-DADE TEST REPORT

SCOPE OF WORK

TAS 100(A)-95 TESTING ON UTRV5 UNIVERSAL TILE RIDGE VENT

REPORT NUMBER

Q4814.01-450-18 R0

TEST DATE(S)

08/10/23

ISSUE DATE

03/06/24

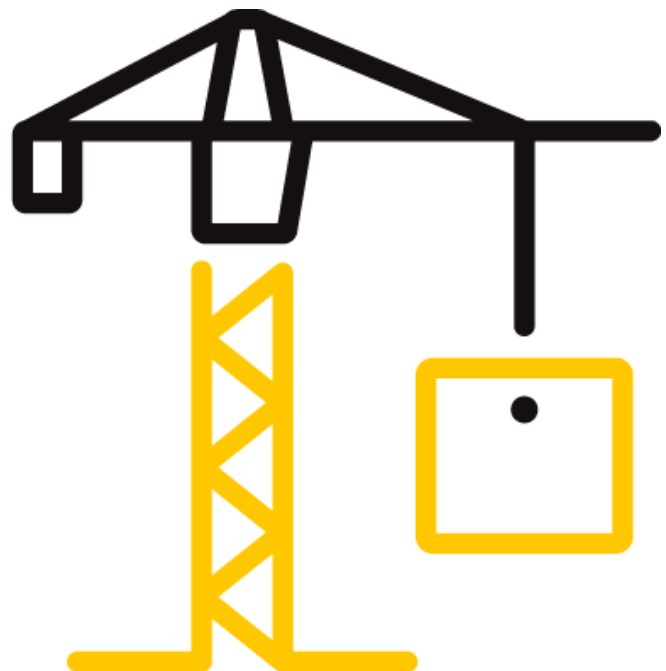
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TEST REPORT FOR MARCO INDUSTRIES INC.

Report No.: Q4814.01-450-18 R0

Date: 03/06/24

REPORT ISSUED TO

MARCO INDUSTRIES INC.

4150 S. 100th E. Ave. Suite 301
Tulsa, Oklahoma 74146

SECTION 1

SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by Marco Industries, Inc. to perform TAS 100(A) testing in accordance with Florida Building Code requirements on their UTRV5 Universal Tile Ridge Vent. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in West Palm Beach, FL.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends ten years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period. Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

SECTION 2

SUMMARY OF TEST RESULTS

The specimen(s) tested met the performance requirements set forth in the protocol.

For INTERTEK B&C:

COMPLETED BY:	Melissa Nuttall, FMPC	REVIEWED BY:	Tanya Dolby
TITLE:	Senior Project Manager	TITLE:	Engineering Manager – Engineering Services
SIGNATURE:		SIGNATURE:	
DATE:	03/06/24	DATE:	03/06/24

MMN:sar

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SECTION 3**TEST METHOD(S)**

The specimen was evaluated in accordance with the following:

TAS 100 (A)-95, *Test Procedure for Wind and Wind Driven Rain Resistance and/or Increased Windspeed Resistance of Soffit Ventilation Strip and Continuous or Intermittent Ventilation System Installed at the Ridge Area*

SECTION 4**MATERIAL SOURCE**

Test sample materials were provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 5**EQUIPMENT/CALIBRATION**

"WOLF" Wind Generator

Scale

Stopwatch

Windstream, water supply, and water distribution calibration were performed prior to testing.

SECTION 6**LIST OF OFFICIAL OBSERVERS**

NAME	COMPANY
Seth Allen	Intertek B&C

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SECTION 7

TEST PROCEDURE

The wind speed intervals were conducted as follows:

Interval No.	Wind Speed (mph)	Time (min)	Water Spray
1	35	15	On
2	0	5	Off
3	70	15	On
4	0	5	Off
5	90	15	On
6	0	5	Off
7	110	5	On
8	0	5	Off

SECTION 8

TEST SPECIMEN DESCRIPTION

Manufacturer: Marco Industries Inc.

Product Type: Ridge Vent

Series/Model: UTRV5

Roof Deck Description: An 8' 0" wide by 6' 0" long roof deck on a 2:12 slope was utilized. The roof deck consisted of #2 Spruce-Pine-Fir nominal 2x6 intermediate supports sheathed with APA 32/16 span rated 15/32" plywood sheathing. The intermediate supports were spaced 24" on center. The plywood was secured to the rafters with 8d common nails spaced 6" on center around the perimeter and 12" on center at the intermediate supports.

Roof Covering and Vent Description: The Eagle Roofing Capistrano barrel tiles were installed per manufacturing instructions. One ULTRV5 vent was installed on the top of the ridge. The vent was constructed from 26ga steel and installed with #10 x 1" pan head screws through each installation hole in the bottom flange. Marco Industries Weather-Tite Metal Roof sealant was used along the perimeter and on the rivets below the mesh.

Conditioning: The assembly was conditioned per the requirement of TAS 100(A)-95.

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SECTION 9**TEST RESULTS**

Protocol TAS 100(A)-95, Test Procedure for Wind and Wind Driven Rain Resistance and/or Increased Windspeed Resistance of Soffit Ventilation Strip and Continuous or Intermittent Ventilation System Installed at the Ridge Area.

Test Date(s): 08/10/23

The temperature during testing was 85°F. The results are tabulated as follows:

Test Results: The TAS 100(A) test results are as follows:

Wind Speed	Results	Allowed
35 mph	No leakage	0.28 lbs
70 mph	No leakage	0.28 lbs
90 mph	0.09	0.28 lbs
110 mph	0.07	0.10 lbs

Notes:*Reference Chart No. 1 for test wind speeds and durations.***Result(s):** Pass**Note 1:** Tested at a 2:12 roof pitch.

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SECTION 10

PHOTOGRAPHS



PHOTO NO. 1
Before Testing

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PHOTO NO. 2
Vent Profile

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PHOTO NO. 3
Interior of Vent

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PHOTO NO. 4
Top of Vent

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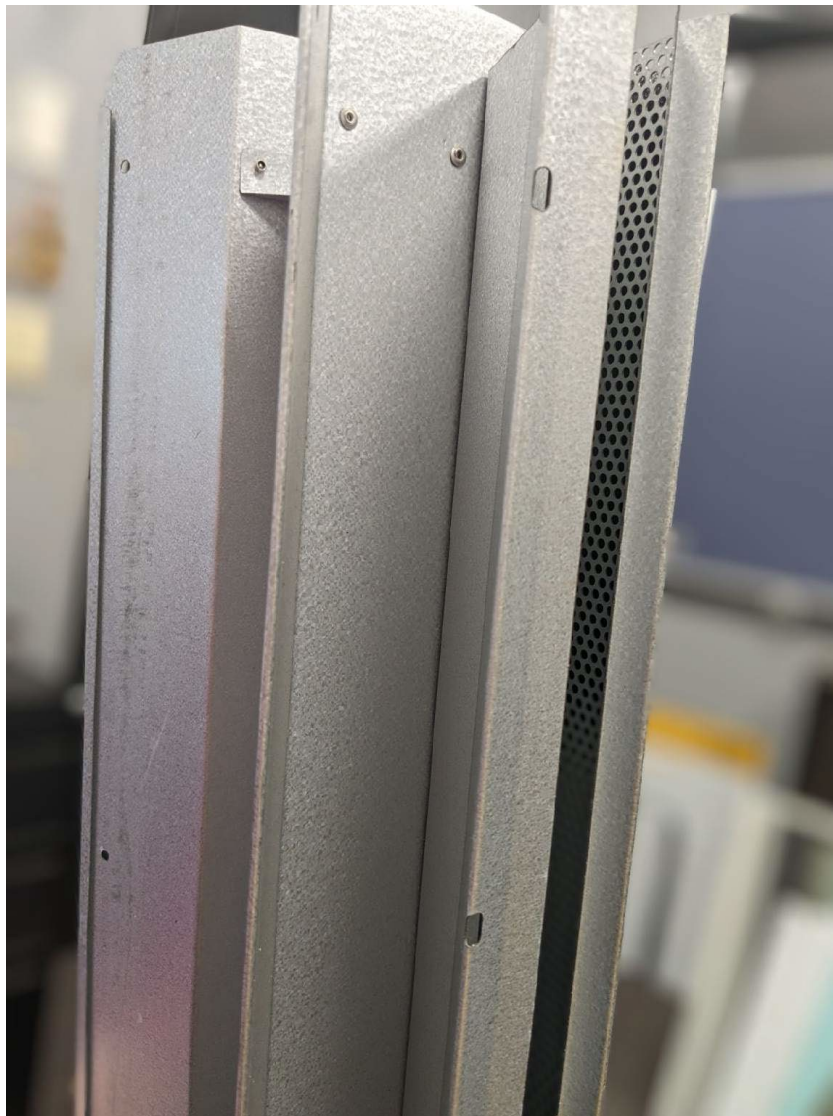


PHOTO NO. 5

Side of Vent from Bottom

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PHOTO NO. 6

Interior Mesh and Sealant Covered Rivet



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SECTION 11

DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.

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West Palm Beach, Florida 33407

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SECTION 12

REVISION LOG

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