

# ALABAMA METAL INDUSTRIES CORPORATION TEST REPORT

**SCOPE OF WORK**

ACCELERATED WEATHERING OF AMICO HYDRODRY IN ACCORDANCE WITH ICC-ES AC356  
(SECTION 4.3)

**REPORT NUMBER**

103720461MID-005R0

**TEST DATE(S)**

11/20/19 - 01/06/20

**ISSUE DATE**

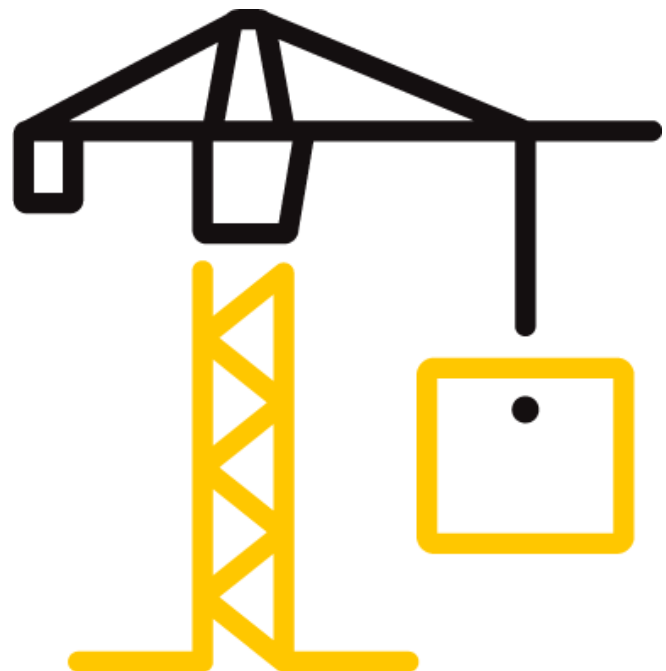
01/21/20

**PAGES**

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**DOCUMENT CONTROL NUMBER**

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## TEST REPORT FOR ALABAMA METAL INDUSTRIES CORPORATION

Report No.: 103720461MID-005R0

Date: 01/21/20

### REPORT ISSUED TO

#### ALABAMA METAL INDUSTRIES CORPORATION

3245 Fayette Avenue  
Birmingham, AL 35208

### SECTION 1

#### SCOPE

Intertek Building & Construction (B&C) was contracted by Alabama Metal Industries Corp. to evaluate their HydroDry system in accordance with Section 4.3 of ICC-ES AC356, *Acceptance Criteria for Moisture Drainage Systems Used with Exterior Cement Plaster or Adhered Masonry Veneer Walls*. 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 Middleton, Wisconsin.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

### SECTION 2

#### SUMMARY OF TEST RESULTS

4.3.2 UV LIGHT EXPOSURE	4.3.3 ACCELERATED AGING
Pass, No surface changes	Pass, No surface changes

For INTERTEK B&C:

<b>COMPLETED BY:</b>	Patrick Kenealy	<b>REVIEWED BY:</b>	Andrew Holstein, Ph.D.
<b>TITLE:</b>	Technical Team Lead Building & Construction	<b>TITLE:</b>	Senior Project Engineer Building & Construction
<b>SIGNATURE:</b>		<b>SIGNATURE:</b>	
<b>DATE:</b>	01/21/20	<b>DATE:</b>	01/21/20

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### SECTION 3

#### TEST METHODS

The specimens were evaluated in accordance with the following:

**ICC-ES AC356**, *Acceptance Criteria for Moisture Drainage Systems Used with Exterior Cement Plaster or Adhered Masonry Veneer Walls (Section 4.3)*, Approved October 2009

### SECTION 4

#### MATERIAL SOURCE

The Drainscreed and EZ Vent material was independently selected for testing by Intertek personnel Randy Alexander on August 2<sup>nd</sup>, 2019 at the Engineered Profiles facility in Columbus, OH. The material was received at the Intertek Middleton facility on Aug 6<sup>th</sup>, 2019 and labeled as MID1908061118-001. The Hydrodry Rainscreen material was independently selected for testing by Intertek personnel Andrew C. Christakos on September 4<sup>th</sup>, 2019 at the Low & Bonar facility in Candler, NC. The material was supplied from batch number 19363. The material was received at the Intertek Middleton facility on September 5<sup>th</sup>, 2019 and labeled as MID1909051124-001.

### SECTION 5

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Javier Castro	Intertek B&C
Patrick Kenealy	Intertek B&C
Andrew Holstein	Intertek B&C

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### SECTION 6

#### TEST PROCEDURES

All conditioning of test specimens and test conditions were at standard laboratory conditions unless otherwise reported. Refer to the test related photos in Section 9.

#### ICC-ES AC356 (Section 4.3)

Three samples of HydroDry Rainscreen were evaluated, each approximately 10-inches square by the provided thickness. The samples were exposed to ultraviolet light for 210 hours in accordance with Section 4.3.2 of ICC-ES AC356. Temperature was maintained between 135°F and 140°F (ICN: A1041) during periods of exposure. The samples were then subjected to 25 cycles of accelerated aging in accordance with Section 4.3.3 of ICC-ES AC356. Each cycle consisted of oven drying at 120°F (ICN: 1225) for three hours, immersion in room temperature water for three hours, and air drying for 18 hours at 75°F ±5°F (ICN: 1455).

### SECTION 7

#### TEST RESULTS

SPECIMEN	UV EXPOSURE	ACCELERATED AGING	RESULTS
1	No surface changes	No surface changes	Pass
2	No surface changes	No surface changes	Pass
3	No surface changes	No surface changes	Pass

### SECTION 8

#### CONCLUSION

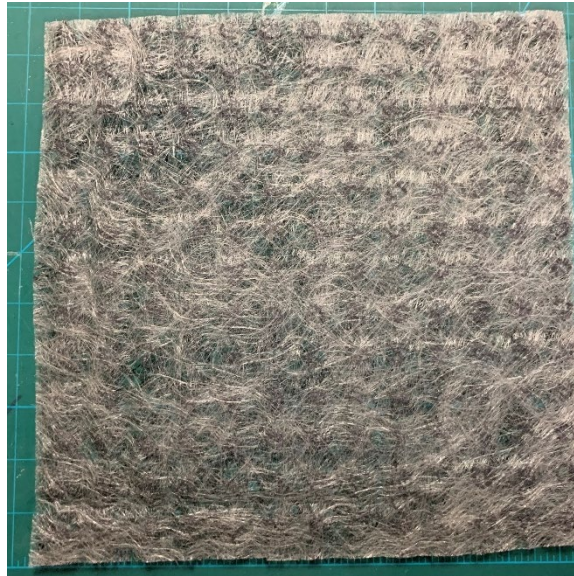
When evaluated in accordance with Section 4.3 of ICC-ES AC356, the product did not exhibit any surface changes such as cracking, checking, crazing, or erosion, thus satisfying the requirements of Section 3.3.2 of ICC-ES AC356.

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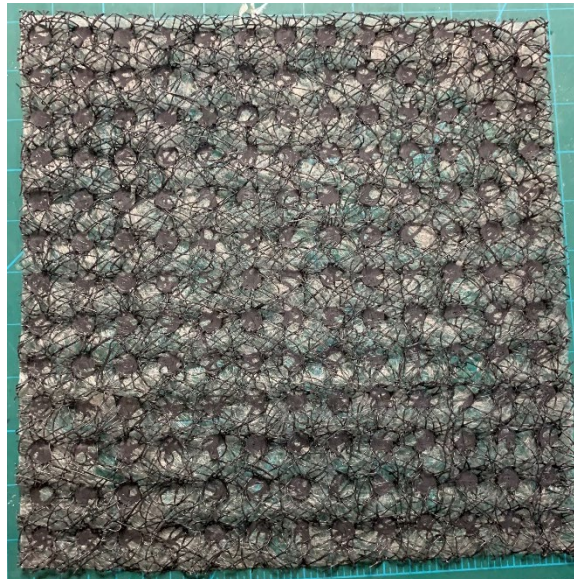
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### SECTION 9 PHOTOGRAPHS



**Photo No. 1**

**Typical Sample After Accelerating Aging – Interior Face**



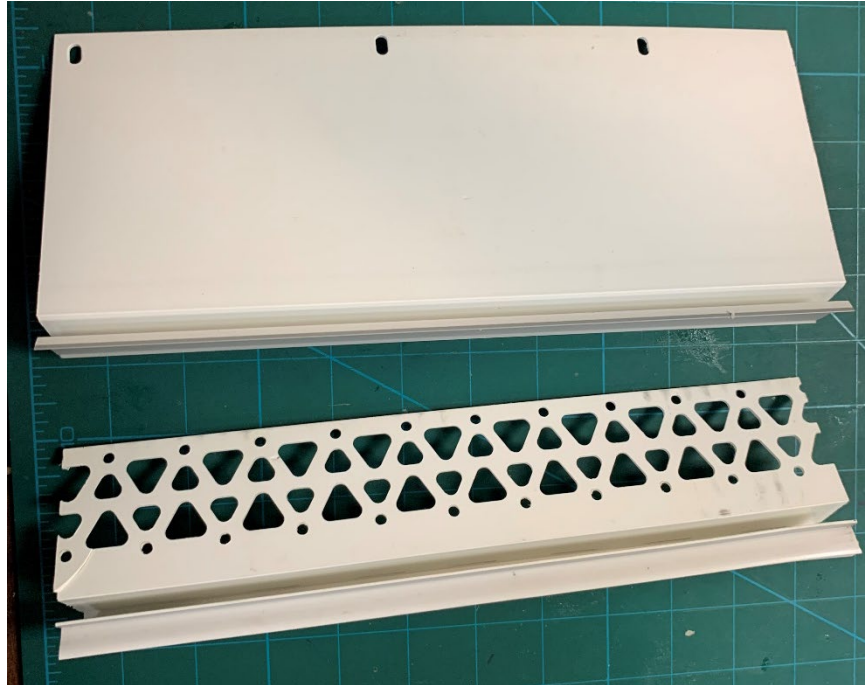
**Photo No. 2**

**Typical Sample After Accelerating Aging – Exterior Face**

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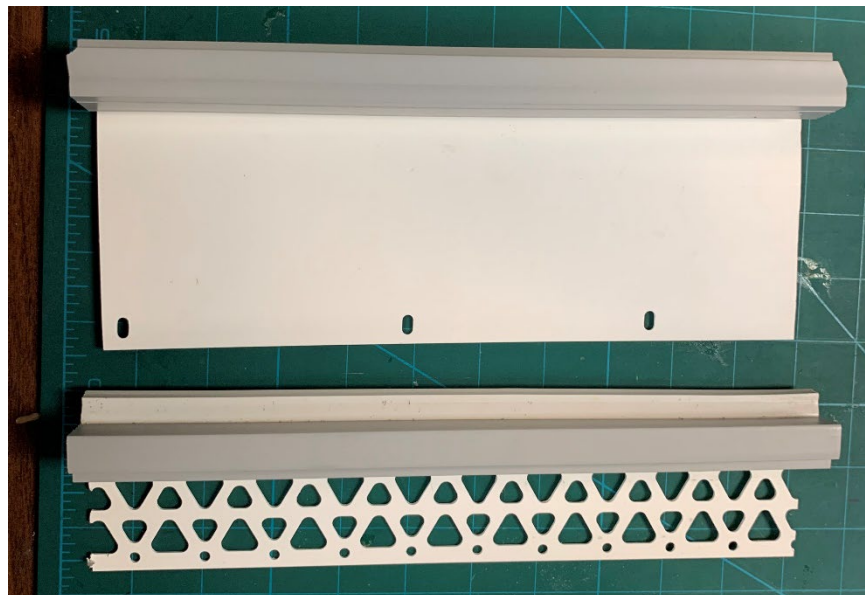
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**Photo No. 3**

**Typical Sample After Accelerating Aging – Interior Face**



**Photo No. 4**

**Typical Sample After Accelerating Aging – Exterior Face**



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### SECTION 10 REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	01/21/20	N/A	Original Report Issue