

# DALLAS LABORATORIES, INC.

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P.O. BOX 152837, DALLAS, TEXAS 75315  
1323 WALL ST, DALLAS, TEXAS 75215  
PHONE 214/565-0593  
FAX 214/565-1094

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Submitted by: TIGER Drylac USA Inc.  
3945 Swenson Avenue  
St. Charles, IL 60174

Date: April 13, 2022

Attn: Matt Kamstra

Report No.: 54681-12  
P.O. No.: 4580017579

## REPORT

### Sample:

Organic Coated aluminum extrusions  
Coating: Super Durable Arch. 038/80010  
Production Date: Not provided  
Cure: Not provided  
Pre-treatment: Not provided  
Drawing: Panels

### A. PROCEDURE

Submitted sample was tested **for informational purposes** according to AAMA 2604-21, "Voluntary Specification, Performance Requirements and Test procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels," Section 8.1 through 8.8.2 with the following results:

### B. REPORT

| <u>Test</u>                        | <u>Results</u> | <u>AAMA 2604-21 Specification Requirements</u> |
|------------------------------------|----------------|--|
| 8.1 Color Uniformity (ASTM D2244)  | Standard       | Standard                                       |
| 8.2 Specular Gloss (ASTM D523)     | 91.7           | As reported                                    |
| 8.3 Dry Film Hardness (ASTM D3363) | Pass F         | F hardness and no film rupture                 |
| 8.4 Film Adhesion (ASTM D3359)     | Pass           |  |
| 8.4.2.1 Dry                        | 5B             | 4B minimum                                     |
| 8.4.2.2 Boiling Water              | 5B             | 4B minimum                                     |
| 8.4.2.3 Wet                        | 5B             | 4B minimum                                     |
| 8.5 Impact Resistance (ASTM D3359) | Pass           | No removal of film from Substrate              |

| <u>Test</u>   | <u>Results</u>        | <u>AAMA 2604-21 Specification Requirements</u>                    |
|---|-----------------------|---|
| 8.6 Abrasion Resistance (ASTM D968)                         | Pass (40L)            | 40L or report ACV   |
| 8.7 Chemical Resistance                                     |                       |   |
| 8.7.1 Muriatic Acid   | Pass                  | No Blistering or Visible Change                                   |
| 8.7.2 Mortar  | Pass                  | No Blistering or Visible Change                                   |
| 8.7.3 Nitric Acid   | Pass (Delta E = 0.50) | Hunter Delta E=5 maximum  |
| 8.7.4 Detergent   | Pass                  | No Film Adhesion Loss or Visible Change                           |
| 8.7.5 Window Cleaner Resistance                             | Pass                  | No blistering or noticeable change in appearance and no film loss |
| 8.8 Corrosion Resistance                                    |                       |   |
| 8.8.1 Humidity (ASTM D2247, 3,000 hours)                    | Pass (No Blisters)    | Not greater than Few & No. 8                                      |
| 8.8.2 Cyclic Corrosion Testing (ASTM G85 [A5], 1,500 hours) | Pass                  |   |
| Scribe  | 10                    | 7 Minimum rating  |
| Field   | 10                    | 8 Minimum rating  |

Date Testing Started: 12/7/21

Date Testing Completed: 4/13/22

Date Test Report Expires: N/A

Sampled by: N/A

Testing Conducting At: Dallas Laboratories, Inc., 1323 Wall St., Dallas, Texas 75215.

The test results indicate that the sample tested **for informational purposes** is in compliance with all of the performance requirements of AAMA 2604-21 for High Performance Organic Coatings on Aluminum Extrusions and Panels, except for section 8.9 WEATHERING which must be furnished by the coating supplier for full compliance to AAMA 2604-21 as specified by AAMA.

**DALLAS LABORATORIES, INC.**

  
Kevan W, Jones, Vice President

Analyst: GF  
KWJ: js