

DALLAS LABORATORIES, INC.

Consultants and Technologists
Chemical and Petroleum Chemists

MEMBERS
AMERICAN CHEMICAL SOCIETY
ASTM INTERNATIONAL
AMERICAN SOCIETY OF MATERIALS

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

MEMBERS
AMERICAN NATIONAL STANDARDS INSTITUTE
AMERICAN SOCIETY FOR QUALITY CONTROL
FEDERATION OF SOCIETIES FOR COATINGS TECHNOLOGY

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

Date: April 13, 2022

Attn: Matt Kamstra

Report No.: 54681-11
P.O. No.: 4580017579

REPORT

Sample:

Organic Coated aluminum extrusions
Coating: Super Durable 138/91021
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)	55.7	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 = 0.13)	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