

## DALLAS LABORATORIES, INC.

CONSULTANTS AND TECHNOLOGISTS  
ANALYTICAL AND RESEARCH CHEMISTS —

CHEMICAL ENGINEERS — PETROLEUM ENGINEERS

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DALLAS, TEXAS 75315

## MEMBERS

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS  
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS  
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AMERICAN CHEMICAL SOCIETY  
AMERICAN SOCIETY FOR TESTING MATERIAL  
AMERICAN NATIONAL STANDARDS INSTITUTE  
AMERICAN SOCIETY FOR QUALITY CONTROLSubmitted by: Tiger Drylac USA  
1100 Commons Blvd  
Reading, PA 19605

Date: May 11, 2007

Report No. 38408-4

Attn: Burkhard Maier

REPORTSample:Coated aluminum: Extrusions  
Paint: 058 MATT Metallic  
Production Date: Unknown  
Cure: Unknown  
Pre-treatment: Unknown  
Drawing: N/AA. PROCEDURE

Submitted sample was tested for informational purposes according to AAMA 2604-05, "Voluntary Specification, Performance Requirements and Test procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels," Section 7.1 through 7.8.2, with the following results:

B. REPORT

<u>Test</u>	<u>Results</u>	<u>AAMA 2604-05 Specification Requirements</u>
7.1 Color Uniformity	Standard	Standard
7.2 Specular Gloss	3.33	As reported
6.3 Dry Film Hardness	Pass F	F hardness and no film rupture
7.4 Film Adhesion		
7.4.1.1 Dry	Pass	No Loss of Adhesion
7.4.1.2 Wet	Pass	No Loss of Adhesion
7.4.1.3 Boiling Water	Pass	No removal of film from substrate

<u>Test</u>	<u>Results</u>	<u>AAMA 2604-05 Specification Requirements</u>
7.5 Impact Resistance	Pass	No removal of film from substrate
7.6 Abrasion Resistance	Pass (60L=20 ACV)	ACV 20 minimum
7. Chemical Resistance		
7.7.1 Muratic Acid	Pass	No Blistering or Visible Change
7.7.2 Mortar	Pass ( $\Delta E = 0.24$ )	No Blistering or Visible Change
7.7.3 Nitric Acid	Pass	Hunter Delta E=5 maximum
7.7.4 Detergent	Pass	No Film Adhesion Loss or Visible Change
7.7.5 Window Cleaner Resistance	Pass	No blistering or noticeable change in appearance and no film loss
6.7 Corrosion Resistance		
7.8.1 Humidity	Pass (no blisters)	Not greater than Few & No. 8
7.8.2 Salt spray	Pass	
Scribe	10	7 Minimum rating
Field	10	8 Minimum rating

Date Testing Started: 1-10-07

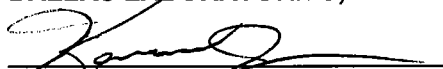
Date Testing Completed: 5-8-07

Sampled by : n/a (informational)

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

The test results indicate that the sample tested is in compliance with all of the performance requirements of AAMA 2604-05 for High Performance Organic Coatings on Aluminum Extrusions and Panels, except for section 7.9 WEATHERING which must be furnished by the coating supplier for full compliance to AAMA 2604-05 as specified by AAMA.

**DALLAS LABORATORIES, INC.**

  
 Kevan W. Jones, Vice President

Analyst: GF  
 KWJ/sc