ASM INTERNATIONAL

## DALLAS LABORATORIES, INC.

CONSULTANTS AND TECHNOLOGISTS

ANALYTICAL AND RESEARCH CHEMISTS —

CHEMICAL ENGINEERS — PETROLEUM ENGINEERS

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MEMBERS

AMERICAN CHEMICAL SOCIETY

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AMERICAN NATIONAL STANDARDS INSTITUTE

AMERICAN SOCIETY FOR QUALITY CONTROL

Submitted by:

MEMBERS

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

TEXAS SOCIETY OF PROFESSIONAL ENGINEERS

SOCIETY OF PETROLEUM ENGINEERS OF AIME

TIGER Drylac U.S.A., Inc. 1100 Commons Blvd. Reading, PA 19610

Attn: Burkhard Maier

Date: April 12, 2007

Report No.: 38407-5

REPORT

## Sample:

Coated aluminum panels

Paint: Tiger Drylac Series 029 SGL

Production Date: Unknown

Cure: Unknown

Pre-treatment: Unknown

Drawing: N/A

## A. Procedure

Submitted sample was tested **for informational purposes** according to AAMA 2603-02 "Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels", Sections 6.1 through 6.7.2, with the following results:

## B. Results

<u>Test</u>	Results	AAMA 2603-02 Specification Requirements
6.1 Color Uniformity	Standard	Standard
6.2 Specular Gloss	72.1	As Reported
6.3 Dry Film Hardness	Pass H	H Hardness and No Film Rupture
6.4 Film Adhesion 6.4.1.1 Dry	Pass	No Loss of Adhesion
6.4.1.2 Wet	Pass	No Loss of Adhesion

<u>Test</u>	<u>Results</u>	AAMA 2603-02 Specification Requirements
6.5 Impact Resistance	Pass	No Removal of Film from Substrate
6.6 Chemical Resistance 6.6.1 Muriatic Acid	Pass	No Blistering or Visible Change
6.6.2 Mortar	Pass	No Blistering or Visible Change
6.6.3 Detergent	Pass	No Film Adhesion Loss or Visible Change
6.7 Corrosion Resistance		
6.7.1 Humidity	Pass (No blisters)	Not Greater Than Few #8 Blisters.
6.7.2 Salt Spray	Pass	
Scribe	10	7 Minimum Rating
Field	10	8 Minimum Rating

Date Testing Started: 1-10-07 Date Testing Completed: 4-12-07

Date Test Report Expires: N/A (Informational)

Sampled by: N/A

Testing Conducted At: Dallas Laboratories, Inc., 1323 Wall Street, Dallas, Texas 75215.

Test results indicate that the sample tested is in compliance with all of the performance requirements of AAMA 2603-02 for Pigmented Organic Coatings on Aluminum Extrusions and Panels, except for Section 6.8.1 Outdoor Exposure which must be furnished by the coating supplier for full compliance to AAMA 2603 as specified by AAMA.

DALLAS LABORATORIES, INC.

Kevan W. Jones, Vice President

Analyst: GF KWJ:td