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DALLAS LABORATORIES, INC.

CONSULTANTS AND TECHNOLOGISTS
ANALYTICAL AND RESEARCH CHEMISTS —
CHEMICAL ENGINEERS — PETROLEUM ENGINEERS

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Submitted by: Tiger Drylac USA
1100 Commons Blvd
Reading, PA 19605

Attn: Burkhard Maier

Date: May 11, 2007

Report No. 38408-4

REPORT

Sample:

Coated aluminum:	Extrusions
Paint:	058 MATT Metallic
Production Date:	Unknown
Cure:	Unknown
Pre-treatment:	Unknown
Drawing:	N/A

A. 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

Test	Results	AAMA 2604-05 Specification Requirements
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

THE ANALYSES OF THE ABOVE SAMPLE OR SAMPLES DO NOT IMPLY AN ENDORSEMENT. THIS REPORT, OR ANY PART THEREOF MAY NOT BE REPRODUCED OR USED FOR ADVERTISING PURPOSES WITHOUT OUR EXPRESS WRITTEN CONSENT.

Test	Results	AAMA 2604-05 Specification Requirements
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 (ΔE= 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