

DALLAS LABORATORIES, INC.

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Submitted by: Trojan Powder Coating Co., Inc.
2215 Union Blvd.
Bay Shore, NY 11706

Date: May 11, 2012

Attn: Keith Rein

Report No: 44890-Pre
P.O. No: 13703

REPORT

Sample:

Painted PVC Extrusions
Paint: Aquasurtech D-200 Waterborne Paint, Dark Brown (Batch# 8039)
Production Date: N/A
Cure: 20 minutes IR then RT for 5 days
Pre-treatment: Air Blow-Off, Vinyl Kleen then Vinyl Prep Wipe
Drawing: unknown

PROCEDURE

Submitted sample was tested according to AAMA 615-05 "Voluntary Specifications, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Plastic Profiles," with the following results:

RESULTS

<u>Test/Method</u>	<u>Sample</u>	<u>AAMA 615-05 Specification Requirements</u>
6.1 Color Uniformity	Standard	Standard
6.2 Specular Gloss	31.8	As Reported
6.3 Dry Film Hardness	Pass F	F Minimum Hardness & 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
6.4.1.3 Boil	Pass	No Loss of Adhesion
6.5 Direct Impact	Pass	No Removal of Film from Substrate
6.6 Abrasion Resistance	Pass (84 L = 40 ACV)	ACV 40 Minimum

<u>Test/Method</u>	<u>Sample</u>	<u>AAMA 615-05 Specification Requirements</u>
6.7 Chemical Resistance 6.7.1 Muriatic Acid	Pass	No Blisters or Visible Change
6.7.2 Mortar	Pass	No Blisters or Visible Change
6.7.3 Nitric Acid	Pass (Delta E = 0.01)	Not More Than 5ΔE (Under) Unit of Color Change
6.7.4 Detergent Resistance	Pass	No Film Adhesion Loss or Visible Change
6.7.5 Window Cleaner Resistance	Pass	No Blistering, Visible Change or Loss of Adhesion
6.8 Humidity	In Test	No Greater Than Few & No. 8 Blisters
6.10 Cold Crack Cycle	Pass	No Cracking, Loss of Adhesion, Color Change, or Other Detrimental Effects
6.11 Oven Aging	Pass	F Hardness and no Loss of Adhesion
6.12 Heat Build Up, °F (°C) Horizontal Vertical	In Test - -	Report HBU Values Obtained in ASTM D4803 in Horizontal & Vertical Positions (°F and °C)

Date Testing Started: 4/11/12


Date Testing Completed: N/A

Date Test Report Expires: N/A

Sampled By: N/A

The test results indicate that sample is in compliance with the **SPECIFIED** performance requirements of AAMA 615-05 for Superior Performing Organic Coatings on Plastic Profiles. Section 6.9 weathering is to be tested during AAMA certification program of coated plastics.

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Kevan W. Jones, Vice President

Analyst: GF
KWJ:js