

DALLAS LABORATORIES, INC.

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Submitted by: IGP Pulvertchnik
Ringstrasse 30
9500 Wil., St. Gallen, Switzerland

Date: January 21, 2016

Attn: Thomas Roll

Report No.: 48348-R

REPORT

Sample:

Organic Coated aluminum extrusions
Coating: IGP-HWFsuperior, series 57 (Super Durable Quality)
Production Date: 8/10/15
Cure: 15-25 minutes @ 190°C
Pre-treatment: IGP Pulvertchnik AG Non-Chrome pretreat (6-stage)
Drawing: Panels

A. PROCEDURE

Submitted sample was tested **for informational purposes** according to AAMA 2604-13, "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 2604-13 Specification Requirements</u>
8.1 Color Uniformity	Standard	Standard
8.2 Specular Gloss	73.2	As reported
8.3 Dry Film Hardness	Pass F	F hardness and no film rupture
8.4 Film Adhesion		
8.4.1.1 Dry	Pass	No Loss of Adhesion
8.4.1.2 Wet	Pass	No Loss of Adhesion
8.4.1.3 Boiling Water	Pass	No removal of film from substrate
8.5 Impact Resistance	Pass	No removal of film from substrate

<u>Test</u>	<u>Results</u>	<u>AAMA 2604-13 Specification Requirements</u>
8.6 Abrasion Resistance	>ACV 20	ACV 20 minimum
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	0.32	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
8.7 Corrosion Resistance		
8.8.1 Humidity	Pass (No Blisters)	Not greater than Few & No. 8
8.8.2 Salt spray	Pass	
Scribe	9	7 Minimum rating
Field	10	8 Minimum rating

Date Testing Started: 9/10/15

Date Testing Completed: 1/15/16

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 2604-13 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 2604-13 as specified by AAMA.

DALLAS LABORATORIES, INC.



Kevan W. Jones, Vice President

Analyst: GF
KWJ/js