



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

Q-LAB WEATHERING RESEARCH SERVICE
Buckeye, AZ

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005*).



Presented this 20th day of November 2006.

A handwritten signature in black ink, appearing to read "Peter M. Meyer".

President
For the Accreditation Council
Certificate Number 1676.01
Valid to: November 30, 2008

For the tests or types of tests to which this accreditation applies,
please refer to the laboratory's Mechanical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Q-LAB WEATHERING RESEARCH SERVICE

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MECHANICAL

Valid To: November, 30, 2008

Certificate Number: 1676.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following weathering and corrosion tests:

Testing to determine material durability using outdoor and laboratory accelerated methods, direct exposure, black box, and under glass exposures with backed and unbacked mounting, visual and instrumental evaluations to measure degradation effects, including gloss and color, mechanical measurements of physical properties before and after exposure.

On the following materials:

Automotive Components, Plastics, Paints, Textiles, Roofing, Sealants, Glass

Using the following test methods:

<u>Test</u>	<u>Test Method</u>
<u>Outdoor Weathering</u>	
Atmospheric Environmental Exposure Testing of Nonmetallic Materials	ASTM G7
Conducting Exposures to Daylight Filtered Through Glass	ASTM G24
Exterior Exposure of Paints on Wood	ASTM D1006
Exterior Exposure of Paints on Steel	ASTM D1014
Outdoor Weathering of Plastics	ASTM D1435
Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	ASTM D3679, 5.10, 6.10, 6.11, 6.13
Conducting Accelerated Outdoor Exposure Tests of Coatings	ASTM D4141
Specification for Rigid Poly (Vinyl Chloride) (PVC) Exterior Profile	ASTM D4726
Extrusions used for Assembled Windows and Doors	
Color and Appearance Retention of Solid Colored Plastic Siding Products	ASTM D6864
Outdoor Exposure of Trim Materials	LP464KB1901
Coating Materials and Coatings Systems for Exterior Wood	EN 927 Part 3
Florida and Arizona Outdoor Exposure Test	Ford BI160-01
Exterior Weatherability of Integrally Colored Plastics	GM 9327P
Outdoor Weathering of Automotive Exterior Materials	GM 9163P
Plastics – Exposure to Weathering, Direct, Under Glass Using Fresnel Mirrors	ISO 877
Paints and Varnishes: Natural Weathering	ISO 2810
Plastic Materials for Optical Parts Using Concentrated Natural Sunlight	SAE J576
Outdoor Weathering of Exterior Materials	SAE J1976

Accelerated Testing

Performing Accelerated Outdoor Weathering of Plastics Using Concentrated Natural Sunlight	ASTM D4364
Performing Accelerated Weathering of Factory Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freeze-Thaw Procedure	ASTM D5722
Performing Accelerated Outdoor Weathering of Nonmetallic Material	ASTM G90
Outdoor Weathering Test: Ford Tracking Box	FORD DVM-0020
Weathering Exposure Tests for Interior Trim	GM 9538P
Natural Weathering Exposure Tests for Interior Trims/Materials	GMW 3417
Accelerated Exposure of Automotive Exterior Materials Using a Solar Fresnel Reflector Apparatus	SAE J1961

Evaluation Methods

Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates	ASTM E313
Test Method for Specular Gloss	ASTM D523
Evaluating Degree of Rusting on Painted Steel Surfaces	ASTM D610
Evaluating Degree of Checking of Exterior Paints	ASTM D660
Evaluating Degree of Cracking of Exterior Paints	ASTM D661
Evaluating Degree of Erosion of Exterior Paints	ASTM D662
Evaluating Degree of Blistering of Paints	ASTM D714
Evaluating Degree of Flaking (Scaling) of Exterior Paints	ASTM D772
Haze and Luminous Transmittance of Transparent Plastics (Method B)	ASTM D1003
Evaluation of Painted or Coated Specimens to Corrosive Environments	ASTM D1654
Visual Evaluation of Color Difference of Opaque Materials	ASTM D1729
Calculation of Color Differences from Instrumentally Measured Color Coordinates	ASTM D2244
Evaluation of Visual Color Difference with a Grey Scale	ASTM D2616
Evaluating Degree of Surface Disfigurement of Paint Films by Microbial Growth or Dirt Accumulation	ASTM D3274
Measuring Adhesion by Tape Test	ASTM D3359
Evaluating the Degree of Chalking of Exterior Paint Films	ASTM D4214
Tape Adhesion Test for Paint Finishes	GM 9071P
Evaluation of Color and Pigments	ISO 4582
Paints and Varnishes Evaluation of Degradation of Coatings Parts 1 through 8, 10	ISO 4628
Instrumental Color Difference Measurement for Exterior Finishes, Textiles, and Trim	SAE J1545
Instrumental Color Difference Measurements for Colorfastness Of Automotive Interior Trim Materials	SAE J1767

Miscellaneous Methods

Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coating Applied to a Ferrous Base (Method B)	ASTM D1186
Nondestructive Measurement of Dry Film Thickness of Nonconductive Coating Applied to a Nonferrous Metal Base	ASTM D1400
Solar Energy Transmittance and Reflectance of Sheet Materials (Method B)	ASTM E424
Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests	ASTM G147