SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATLAS MATERIAL TESTING TECHNOLOGY LLC
ATLAS WEATHERING SERVICES GROUP
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MECHANICAL

Valid Until: August 31, 2028 Certificate Number: 0717.01

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

I. Weathering and Optical Tests

Weathering in a Desert Natural Environment: Direct and under glass exposures at fixed or variable angle using standard panel racks, special mounting racks, black boxes, spray racks, special fixtures designed to meet specific client needs, complete climatological data acquisition and reporting.

Outdoor Accelerated Weathering: Using solar tracking racks with and without wetting; and EMMAQUA® Fresnel-reflector solar concentrator devices with and without wetting.

Evaluations: Visual inspection for all property changes detectable to the unaided eye or under magnification. Instrumental determination of chalking, chromaticity coordinates, color change, gloss, haze, heat aging, thickness, UV-VIS-NIR measurements, weight, whiteness index, yellowness index and others.

On the following products or materials:
Adhesives & sealants, agricultural & forest products, automotive products (including whole cars), aviation & aerospace materials, building materials (most applications & substrates), ceramics, coatings, composites, dyes, films & packaging, gaskets, seals & packings, geosynthetics, glass & glass products, inks, leather, paper, paperboard & pulp, photodegradables, plastics & polymers, rubber & rubber products, textiles, windows & doors, wood & wood products.

Using the following test methods and specifications:

AAMA (American Architectural Manufacturers Association)

AAMA 624, 7.12	Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Fiber Reinforced Thermoset Profiles
AAMA 625, 7.12	Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Fiber Reinforced Thermoset Profiles
AAMA 633, 7.10	Voluntary Specification, Performance Requirements and Test Procedures for Exterior Stain Finishes on Wood, Cellulosic Composites and Fiber Reinforced Thermoset Window and Door Components
AAMA 643, 7.3	Voluntary Specification, Performance Requirements and Test Procedures for Solar Reflective Finishes

AATCC (American Association of Textile Chemists & Colorists)

AATCC – 001	Gray Scale for Color Change
AATCC – 183	Transmittance or Blocking of Erythemally Weighted UV Radiation through Fabrics

ASTM (American Society for Testing and Materials)

ASTM D523	Specular Gloss
ASTM D610	Evaluating Degree of Rusting on Painted Steel Surfaces
ASTM D660	Evaluating Degree Checking of Exterior Paints
ASTM D661	Evaluating Degree Cracking of Exterior Paints
ASTM D662	Evaluating Degree Erosion of Exterior Paints
ASTM D714	Evaluating Degree Blistering of Paints
ASTM D772	Evaluating Degree Flaking (Scaling) of Exterior Paints
ASTM D1003	Haze and Luminous Transmittance of Transparent Plastics
ASTM D1006	Conducting Exterior Exposure Tests of Paints on Wood
ASTM D1014	Conducting Exterior Exposure Tests of Paints on Steel
ASTM D1435	Outdoor Weathering of Plastics
ASTM D1729	Visual Evaluation of Color Difference of Opaque Materials

Using the following test methods and specifications:

ASTM (American Society for Testing and Materials, continued)

ASTM D2244	Calculation of Color Difference from Instrumentally Measured Color Coordinates
ASTM D2616	Evaluation of Visual Color Difference of Opaque Materials
ASTM D3274	Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation
ASTM D3359	Measuring Adhesion by Tape Test
ASTM D3679	Standard Specifications for Rigid Poly (Vinyl Chloride) (PVC) Siding (Sections 6.10, 6.11, and 6.13)
ASTM D4141	Conducting Accelerated Outdoor Exposure Tests of Coatings (Proc. A, C)
ASTM D4214	Evaluating Degree of Chalking of Exterior Paint Films
ASTM D4364	Performing Accelerated Outdoor Weathering of Plastics Using Concentrated Sunlight
ASTM D4726	Standard Specifications for Rigid Poly (Vinyl Chloride) (PVC) Exterior Profile Extrusions Used for Assembled Windows and Doors (Section 7.1)
ASTM D5105	Performing Accelerated Outdoor Weathering of Pressure-Sensitive Tapes Using Concentrated Natural Sunlight
ASTM D5722	Performing Accelerated Outdoor Weathering of Factory Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freeze-Thaw Procedure
ASTM D6864	Standard Specification for Color and Appearance Retention of Solid Colored Siding Products
ASTM D6901	Standard Specification for Artists' Color Pencils
ASTM D7091	Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
ASTM D7251	Standard Specification for Color and Appearance Retention of Variegated Color Plastic Siding Products
ASTM D7254	Standard Specification for Polypropylene (PP) Siding (Section 6.3) Outdoor Exposure of Vinyl Siding
ASTM D7793	Color and Appearance Retention of Solid and Variegated Color Plastic
ASTM D7856	Siding Products using CIELab Color Space

Using the following test methods and specifications:

ASTM (American Society for Testing and Materials, continued)

ASTM D7990	Standard Specification for Color and Appearance Retention of Solid and Variegated Color Plastic Siding Products using CIELab Color Space
ASTM E313	Indexes of Whiteness and Yellowness of Near-White Opaque Materials
ASTM E408	Test Methods for Total Normal Emittance of Surfaces Using Inspection - Meter Techniques
ASTM E903	Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres
ASTM E1331	Reflectance Factor and Color by Spectrophotometry Using Hemispherical Geometry
ASTM E1348	Transmittance and Color by Spectrophotometry Using Hemispherical Geometry
ASTM E1349	Reflectance Factor by Spectrophotometry Using Bi-directional Geometry
ASTM E1596 (Withdrawn 2008)	Standard Test Methods for Solar Radiation Weathering of Photovoltaic Modules
ASTME1799 (Superseded 2012)	Standard Practice for Visual Inspections of Photovoltaic Modules
ASTM F2657	Standard Test Method for Outdoor Weathering Exposure of Cross Linked Polyethylene (PEX) Tubing
ASTM G7	Atmospheric Environmental Exposure Testing of Nonmetallic Materials CRRC-1 Cool Roof Rating Council[1]
ASTM G24	Conducting Natural Light Exposures Under Glass
ASTM G90	Performing Accelerated Outdoor Weathering of Nonmetallic Materials Using Concentrated Natural Sunlight
ASTM G147	Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests CRRC-1 Cool Roof Rating Council[1]
ASTM G179	Standard Specification for Metal Black Panel and White Panel
ASTM G201	Conducting Exposures in Outdoor Glass-Covered Exposure Apparatus with Air Circulation

CLP (Chrysler Laboratory Test Methods)

LP 463 KB 19 01	Outdoor Exposure Trim Materials

Using the following test methods and specifications:

CRRC (Cool Roof Rating Council)

ANSI/CRRC-S100 (Section S.2.6)	ANSI/CRRC-S100 Standard Test Methods for Determining Radiative Properties of Materials

DIN (Deutsches Institut für Normung)

DIN EN ISO 11664-4	Colorimetry – Part 4: CIE 1976 L*a*b* Colour Space
DIN 53209	Designation of Degree of Blistering of Paint Coatings
DIN 67530	Refractometers as a Means for Gloss Assessment of Plane Surfaces of Paint Coatings and Plastics
DIN 75220	Aging of Automotive Components in Solar Simulation Units*

EN (European Standard)

EN13523-14	Chalking (Helmen Method)

FLTM (Ford Laboratory Test Methods)

BI-160-01	Arizona Outdoor Exposure
BI 110-01	Measurement of the Gloss of Paint Panels

GM (General Motors Engineering Standards - Procedures)

GMW 3417	Natural Weathering Exposure Tests for Interior Trims/Materials
GM 9163P (Superseded 2011), GMW 14873	Outdoor Weathering of Automotive Exterior Materials
GM 9327P (Superseded 2012)	Exterior Weatherability of Integrally Colored Plastics
GM 9538P	Weathering Exposure Tests Interior Trim
GMW 14444	Section 3.3.3 – Material Related Interior Part Performance
GMW 14829, GM9071P (Superseded 2012)	Tape Adhesion Test for Paint Finishes

ISO (International Standards Organization)

ISO 105 A02	Color Fastness to Artificial Light
ISO 105 B01	Color Fastness to Light; Daylight
ISO 105 B03	Color Fastness to Weathering: Outdoor Exposure

Using the following test methods and specifications:

ISO (International Standards Organization, continued)

ISO 2810	Paint and Varnishes – Notes for Guidance on the Conduct of Natural Weathering Tests
ISO 2813	Measurement of Specular Gloss of Non-Metallic Paint Films
ISO 4628	Paints and Varnishes-Evaluation of Degradation of Paint Coatings-Degradation of Intensity, Quality and Size of Common Types of Defect
ISO 16871	Outdoor Exposure of Plastic Pipes
ISO 877-1	Plastics-Methods of Exposure to Direct Weathering, to Weathering Using Glass-Filtered Daylight, and to Intensified Weathering by Daylight Using Fresnel Reflector
ISO 877-2	Direct weathering and exposure behind window glass
ISO 877-3	Intensified weathering using concentrated solar radiation

MIL (Military Standard)

MIL 810H	Solar Radiation (Sunshine) – Steady State for Prolonged Actinic Effects, Method 505.7, Procedure II

SAE (Society of Automotive Engineers)

SAE J575 (Section 4.8)	Test Methods and Equipment for Lighting Devices for use on Vehicles less than 2032 mm in Overall Height
SAE J576	Plastic Materials for Use in Optical Parts Such as Lenses and Reflectors of Motor Vehicle Lighting Devices
SAE J1545	Instrumental Color Difference Measurement for Exterior Finishes, Textiles, and Colored Trim (A) (calculation for test results using ASTM E1331)
SAE J1767	Instrumental Color Difference Measurement of Colorfastness of Automotive Interior Trim Materials
SAE J1961	Accelerated Exposure of Automotive Exterior Materials Using a Solar Fresnel Reflector Apparatus
SAE J1976	Outdoor Weathering of Exterior Materials

VSI (Vinyl Siding Institute)

VSI Outdoor Weathering Practice	Protocols for the Conduct of Outdoor Weathering Studies of Plastic Siding and Related Products

Using the following test methods and specifications:

Temperature Measurements:

(-10 to 200) °C Thermocouple Temperature Measurements

Thickness Measurements:

Procedure AWSG-EVLWI-009

Accredited Laboratory

A2LA has accredited

ATLAS MATERIAL TESTING TECHNOLOGY LLC
ATLAS WEATHERING SERVICES GROUP

Phoenix, AZ

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017*).

American Association for Laboratory Accreditation
CORPORATE SEAL 1978
DISTRICT OF COLUMBIA
A2LA

Presented this 18th day of September 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0717.01
Valid to August 31, 2028

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