Partial List of Test Methods & Standards Met by QUV & QCT Weathering Testers

**General**
- ASTM G151 - Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
- ASTM G154 - Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Non-Metallic Materials
- BS 2782 - Part 5, Method 540B (Methods of Exposure to Lab Light Sources)
- GB/T 14522 – Artificial Weathering Test Method for Plastics, Coatings, and Rubber Materials used for Machinery Industrial Products – Fluorescent UV Lamps

**Automotive**
- Ford FLTM BI 104-02 - Condensing Water Vapor Test (QCT)
- GM 4367M (General Motors) - Topcoat Materials - Exterior
- GM 9125P (General Motors) - Laboratory Accelerated Exposure of Automotive Material
- JIS D 0205 - Test Method of Weatherability for Automotive Parts (Japan)
- NISSAN M0007 - Fluorescent UV/Condensation Test
- RNES B-00107 (Renault, Nissan) - Test Method of Clearcoat Cracking (UVB)
- SAE J2020 - Accelerated Exposure of Automotive Exterior Materials Using a Fluorescent UV & Condensation Apparatus

**Adhesives & Sealants**
- ASTM C1184 - Specification for Structural Silicone Sealants
- ASTM C1442 - Standard Practice for Conducting Tests on Sealants Using Artificial Weathering Apparatus
- ASTM D904 - Standard Practice for Exposure of Adhesive Specimens to Artificial Light
- UNE 104-281-88 - Accelerated Testing of Paints and Adhesives with Fluorescent UV Lamps

**Roofing**
- ANSI/RMA IPR-1 - Req. for Non-Reinforced Black EPDM Sheet for Roofing Membrane
- ANSI/RMA IPR-2 - Req. for Fabric-Reinforced Black EPDM Sheet for Roofing Membrane
- ANSI/RMA IPR-5 - Req. for Non-Reinforced Non-Black EPDM Sheet for Roofing Membrane
- ANSI/RMA IPR-6 - Req. for Fabric-Reinforced Non-Black EPDM Sheet for Roofing Membrane
- ASTM D3105 - List of Test Methods for Elastomeric and Plastomeric Roofing & Waterproofing
- ASTM D4434 - Std. Specification for PVC Sheet Roofing
- ASTM D4799 - Test Method for Accelerated Weathering of Bituminous Roofing Materials
- ASTM D4811 - Standard Specification for Non-vulcanized Rubber Sheet Used as Roof Flashing
- BS 903 Part A54 Annex A & D - Methods of Testing Vulcanized Rubber
- CGSB-37.54-M - Canadian General Standards Board Spec. for PVC Roofing & Waterproofing Membrane
- EN 534 - Corrugated Bitumen Sheets
- EN 1297 - Flexible sheets for waterproofing—Bitumen, plastic and rubber sheets for roof waterproofing Method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water
- EOTA TR 010 - Exposure procedure for artificial weathering
Paints and Coatings

ABNT NBR 15.380 - Paints for buildings – Methods for performance evaluation of paints for non-industrial buildings - Resistance to UV irradiation/water vapor condensation, by accelerated test
ASTM D4587 - Standard Practice for Light/Water Exposure of Paint
ASTM D5894 - Standard Practice for Cyclic Salt Fog/UV Exposure of Painted Metal, (Alternating Exposures in a Fog/Dry Cabinet and a UV/Condensation Cabinet)
EN 927-6 - Paints and Varnishes - Coating Materials and Coating Systems for Exterior Wood
GB/T 8013 - Anodic Oxide Coatings and Organic Polymer Coatings on Aluminum and its Alloys
GB/T 16585 - Rubber, Vulcanized Test Method of Resistance to Artificial Weathering – Fluorescent UV Lamps
ISO 15110 - Paints and varnishes - Artificial weathering including acidic deposition
ISO 12944-9 - Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 9: Protective paint systems and laboratory performance test methods for offshore and related structures
ISO 16474-1 - Paints & Varnishes - Methods of Exposure to Laboratory Light Sources - Pt. 1: General Guidance
ISO 16474-3 - Paints & Varnishes - Methods of Exposure to Laboratory Light Sources - Pt. 3: Fluorescent UV Lamps
JIS K 5600-7-8 - Testing Methods for Paints
KS M5982 - Testing Method for Accelerated Weathering

Plastics

ANSI A14.5 - Specification for Accelerated Weathering of Portable Reinforced Plastic Ladders
ANSI C57.12.28 - Specification for Accelerated Weathering of Padmounted Equipment Enclosure Integrity
ASTM D1248 - Standard Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable
ASTM D4329 - Standard Practice for Light/Water Exposure of Plastics
ASTM D4674 - Test Method for Accelerated Testing for Color Stability of Plastics Exposed to Indoor Fluorescent Lighting and Window-Filtered Daylight
ASTM D5208 - Standard Practice for Exposure of Photodegradable Plastics
ASTM D6662 - Standard Specification for Plastic Lumber Decking Boards
DIN 53384 - Testing of plastics, Artificial Weathering and Exposure to Artificial Light
GB/T 16422.3 - Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps
ISO 4892-1 - Plastics - Methods of exposure to laboratory light sources - Part 1: General Guidance
ISO 4892-3 - Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV Lamps
JIS K 7350-3 - Plastics - Methods of Exposure to Laboratory Light Sources - Part 3: Fluorescent UV Lamps
UNE 53-104 - Stability of Plastics Materials Exposed to Simulated Sunlight

Other

AATCC TM 186 (Textiles) - Weather Resistance: UV Light and Moisture Exposure
ASTM E3006 (Photovoltaic) - Standard Practice for Ultraviolet Conditioning of Photovoltaic Modules Using a Fluorescent Ultraviolet (UV) Lamp Apparatus
ASTM F1945 (Printing Inks) - Lightfastness of Ink Jet Prints Exposed to Indoor Fluorescent Lighting
Colts Standard Test (Dyes) – UV Dye Resistance to Fade - QUV
GSB AL 631 (Architectural) – International Quality Guidelines for the Coatings of Aluminum Building Components
IEC 61215 (Photovoltaics) - Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval
ISO 21898 (Packaging) - Flexible Intermediate Bulk Containers (FIBCs) for Non-Dangerous Goods

Notes:
1: Many national standards have been superseded by ISO or IEC standards, which are listed on this document.
2: This document is not fully comprehensive. If a standard is not listed here, it may still be met by the QUV/QCT.
3: Contact Q-Lab for more information about a specific test cycle.

For sales, technical, or repair support, please visit:
Q-Lab.com/support