



# Test Methods & Standards Specifying the QUV Weathering Tester (Partial List)

## General

ASTM G-151, Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources  
 ASTM G-154, Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Non-Metallic Materials  
 British Standard BS 2782: Part 5, Method 540B (Methods of Exposure to Lab Light Sources)  
 Colts Standard Test – UV Dye Resistance to Fade - QUV  
 GB/T 14522 – Artificial Weathering Test Method for Plastics, Coatings, and Rubber Materials used for Machinery Industrial Products – Fluorescent UV Lamps  
 GSB AL 631 – International Quality Guidelines for the Coatings of Aluminum Building Components  
 ISO 4892-1 Plastics- Methods of exposure to laboratory light sources-Part 1: General Guidance  
 JIS D 0205, Test Method of Weatherability for Automotive Parts (Japan)  
 SAE J2020, Accelerated Exp. of Automotive Exterior Matls Using a Fluorescent UV/Condensation Apparatus

## Plastics

ISO 4892 Plastics - Methods of Exposure to Laboratory Light Sources-Part 3: Fluorescent UV Lamps  
 DIN 53 384, Testing of plastics, Artificial Weathering and Exposure to Artificial Light  
 Spanish Standard UNE 53.104 (Stability of Plastics Materials Exposed to Simulated Sunlight)  
 JIS K 7350, Plastics - Methods of Exposure to Laboratory Light Sources-Part 3: Fluorescent UV Lamps  
 ASTM D-1248, Standard Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable  
 ASTM D-4329, Standard Practice for Light/Water Exposure of Plastics  
 ASTM D-4674, Test Method for Accelerated Testing for Color Stability of Plastics Exposed to Indoor Fluorescent Lighting and Window-Filtered Daylight  
 ASTM D-5208, Standard Practice for Exposure of Photodegradable Plastics  
 ASTM D-6662, Standard Specification for Plastic Lumber Decking Boards  
 ANSI C57.12.28 Specification for Accelerated Weathering of Padmounted Equipment Enclosure Integrity  
 ANSI, A14.5 Specification for Accelerated Weathering of Portable Reinforced Plastic Ladders  
 Edison Electrical Inst. Specification for Accelerated Weathering of Padmounted Equip. Enclosure Integrity  
 Wisconsin Electric Power Specification for Polyethylene Signs

## Adhesives & Sealants

Spanish Std, UNE 104-281-88 Accelerated Testing of Paints and Adhesives with Fluorescent UV Lamps  
 ASTM C 1501, Standard Test Method for Color Stability of Building Construction Sealants as Determined by Laboratory Accelerated Weathering Procedures  
 ASTM C-1184, Specification for Structural Silicone Sealants  
 ASTM C-1442, Standard Practice for Conducting Tests on Sealants Using Artificial Weathering Apparatus  
 ASTM D-904, Standard Practice for Exposure of Adhesive Specimens to Artificial Light  
 ASTM D-5215, Standard Test Method for Instrumental Evaluation of Staining of Vinyl Flooring by Adhesives  
 American Plywood Assn., Approval Procedures for Synthetic Patching Materials, Section 6

## Printing Inks

ASTM F1945, Lightfastness of Ink Jet Prints Exposed to Indoor Fluorescent Lighting

## Textiles

AATCC Test Method 186, "Weather Resistance: UV Light and Moisture Exposure"  
ACFFA Test Method for Colorfastness of Vinyl Coated Polyester Fabrics

## Coatings

Spanish Std, UNE 104-281-88 Accelerated Testing of Paints and Adhesives with Fluorescent UV Lamps  
ASTM D-3794, Std. Guide for Testing Coil Coatings  
ASTM D-4587, Std. Practice for Light/Water Exposure of Paint  
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  
GM 4367M Topcoat Materials - Exterior  
GM 9125P Laboratory Accelerated Exposure of Automotive Material  
ISO 11507, Exposure of Coatings to Artificial Weathering-Exposure to Fluorescent UV and water  
ISO 20340, Performance Requirements for Protective Paint Systems for Offshore and Related Structures  
JIS K 5600-7-8, Testing Methods for Paints  
Korean Standard M5982-1990, Test Method for Accelerated Weathering  
MS 133: Part F16: Exposure of Ctgs to Artificial Weathering- Exposure to Fluorescent UV and Water (ISO 11507)  
NACE Standard TM-01-84 Procedures for Screening Atmospheric Surfaced coatings  
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  
NISSAN M0007, Fluorescent UV/Condensation Test  
prEN 927-6– Pt. 6: Exposure of Wood Coatings to Artificial Weathering Using Fluorescent UV and Water  
Spanish Std, UNE 104-281-88 Accelerated Testing of Paints and Adhesives with Fluorescent UV Lamps  
US Government, FED-STD-141B

## Roofing

British Standard 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  
DIN EN 534, Corrugated Bitumen Sheets  
EOTA TR 010, Exposure procedure for artificial weathering  
RMA Specification for Reinforced Non-Vulcanized Chlorosulfonated Polyethylene Sheet for Roofing Membrane  
ASTM D-4799, Test Method for Accelerated Weathering of Bituminous Roofing Materials  
ASTM D-4811, Std. Specification for Non-vulcanized Rubber Sheet Used as Roof Flashing  
ASTM D-3105, List of Test Methods for Elastomeric and Plastomeric Roofing & Waterproofing  
ASTM D-4434, Std. Specification for PVC Sheet Roofing  
ASTM D-5019, Std. Specification for Reinforced Non-Vulcanized Polymeric Sheet Used in Roofing Membrane  
ANSI/RMA IPR-1-1990 Req. for Non-Reinforced Black EPDM Sheet for Roofing Membrane  
ANSI/RMA IPR-2-1990 Req. for Fabric-Reinforced Black EPDM Sheet for Roofing Membrane  
ANSI/RMA IPR-5-1990 Req. for Non-Reinforced Non-Black EPDM Sheet for Roofing Membrane  
ANSI/RMA IPR-6-1990 Req. for Fabric-Reinforced Non-Black EPDM Sheet for Roofing Membrane  
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

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