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ASTM G154 - 06 Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials

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Abbreviation

ASTM G154 - 06

Valid from

01/01/2006

Information provider

American Society of Testing and Materials

Author

American Society of Testing and Materials

Information type

ASTM Standard

Format

PDF

Cited By

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Cites

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Description

This practice covers the basic principles and operating procedures for using fluorescent UV light, and water apparatus intended to reproduce the weathering effects that occur when materials are exposed to sunlight (either direct or through window glass) and moisture as rain or dew in actual usage. This practice is limited to the procedures for obtaining, measuring, and controlling conditions of exposure.

Test specimens are exposed to fluorescent UV light under controlled environmental conditions. Different types of fluorescent UV light sources are described.

Specimen preparation and evaluation of the results are covered in ASTM methods or specifications for specific materials. General guidance is given in Practice G 151 and ISO 4892-1. More specific information about methods for determining the change in properties after exposure and reporting these results is described in ISO 4582.

This document is referenced in E2/AS1 in regard to closed cell foam tape

Scope

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- [E2/AS1 \(Third Edition, Amendment 6\)](#)
ASTM G154 - 06 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/0011
- [E2/AS1 \(Third Edition, Amendment 8\)](#)
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- [E2/AS1 \(Third Edition, Amendment 5, Errata 2\)](#)
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- [E2/AS1 \(Third Edition, Amendment 5\)](#)
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- [AS/NZS 2728: 2007](#)
ASTM G154 - 06 is cited by AS/NZS 2728: 2007 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements
- [NZS 2295: 2006](#)
ASTM G154 - 06 is cited by NZS 2295: 2006 Pliable, permeable building underlays

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This document CITES:

Other

- [ASTM D3980-88](#)

ASTM G154 - 06 cites ASTM D3980-88 Practice for Interlaboratory Testing of Paint and Related Materials

- [ASTM E691-05](#)

ASTM G154 - 06 cites ASTM E691-05 Standard Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method

- [ASTM G113 - 06e1](#)

ASTM G154 - 06 cites ASTM G113 - 06e1 Standard Terminology Relating to Natural and Artificial Weathering Tests of Nonmetallic Materials

- [ASTM G151-06](#)

ASTM G154 - 06 cites ASTM G151-06 Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources

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