

ISO 16474-3:2021 (E)

Paints and varnishes — Methods of exposure to laboratory light sources — Part 3: Fluorescent UV lamps

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
5.1	Laboratory light source
5.2	Test chamber
5.3	Radiometer
5.4	Black-standard/black-panel thermometer
5.5	Wetting and humidity
5.5.1	General
5.5.2	Spray and condensation system
5.6	Specimen holders
5.7	Apparatus to assess changes in properties
6	Test specimens (panels)
6.1	General
6.2	Preparation and coating
6.3	Drying and conditioning
6.4	Thickness of coating
6.5	Number of test panels
7	Test conditions
7.1	General
7.2	Radiation
7.3	Temperature
7.4	Relative humidity of chamber air
7.5	Condensation and spray cycles
7.6	Complex cycles with dark periods
7.7	Sets of exposure conditions
8	Procedure and mounting of the test specimens
8.1	General
8.2	Exposure
8.3	Measurement of radiant exposure
8.4	Determination of changes in properties after exposure
9	Test report
Annex A	(informative) Spectral distribution of radiation for typical fluorescent UV lamps
A.1	General
A.2	Representative spectral irradiance data
A.2.1	Type 1A (UVA-340) and type 1B (UVA-351) fluorescent UV lamps
A.2.2	Type 2 (UVB-313) fluorescent UV lamps