

DIN EN ISO 16474-3:2021-04 (E)

Paints and varnishes - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 16474-3:2021)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Principle	7
5 Apparatus	8
5.1 Laboratory light source	8
5.2 Test chamber	11
5.3 Radiometer	11
5.4 Black-standard/black-panel thermometer	11
5.5 Wetting and humidity	12
5.5.1 General	12
5.5.2 Spray and condensation system	12
5.6 Specimen holders	12
5.7 Apparatus to assess changes in properties	12
6 Test specimens (panels)	12
6.1 General	12
6.2 Preparation and coating	13
6.3 Drying and conditioning	13
6.4 Thickness of coating	13
6.5 Number of test panels	13
7 Test conditions	13
7.1 General	13
7.2 Radiation	13
7.3 Temperature	13
7.4 Relative humidity of chamber air	14
7.5 Condensation and spray cycles	14
7.6 Complex cycles with dark periods	14
7.7 Sets of exposure conditions	14
8 Procedure and mounting of the test specimens	15
8.1 General	15
8.2 Exposure	15
8.3 Measurement of radiant exposure	16
8.4 Determination of changes in properties after exposure	16
9 Test report	16
Annex A (informative) Spectral distribution of radiation for typical fluorescent UV lamps	17
Bibliography	21