

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