ISO 16474-3:2013-11 (E)

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

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Apparatus 3
5.1 Laboratory light source 3
5.2 Test chamber 6
5.3 Radiometer 6
5.4 Black-standard/black-panel thermometer 6
5.5 Wetting and humidity 7
5.6 Specimen holders 7
5.7 Apparatus to assess changes in properties 7

6 Test specimens (panels) 7
6.1 General 7
6.2 Preparation and coating 8
6.3 Drying and conditioning 8
6.4 Thickness of coating 8
6.5 Number of test panels 8

7 Test conditions 8
7.1 Radiation 8
7.2 Temperature 8
7.3 Relative humidity of chamber air 9
7.4 Condensation and spray cycles 9
7.5 Complex cycles with dark periods 9
7.6 Sets of exposure conditions 9

8 Procedure and mounting of the test specimens 10
8.1 General 10
8.2 Exposure 10
8.3 Measurement of radiant exposure 11
8.4 Determination of changes in properties after exposure 11

9 Test report 11

Annex A (informative)Spectraldistributionofradiationfortypicalfluorescent UVlamps 12

Bibliography 16