ISO 16474-2:2013-11 (E)

Paints and varnishes - Methods of exposure to laboratory light sources - Part 2: Xenon-arc 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 4
5.3 Radiometer 5
5.4 Black-standard/black-panel thermometer 5
5.5 Wetting and humidity-control equipment 5
5.6 Specimen holders 5
5.7 Apparatus to assess changes in properties 6

6 Test specimens 6

7 Exposure conditions 6
7.1 Radiation 6
7.2 Temperature 6
7.3 Relative humidity of chamber air 7
7.4 Spray cycle 8
7.5 Cycles with dark periods 8
7.6 Sets of exposure conditions 9

8 Procedure 9
8.1 General 9
8.2 Mounting the test specimens 9
8.3 Exposure 9
8.4 Duration of test 10
8.5 Measurement of radiant exposure 10
8.6 Determination of changes in properties after exposure 10

9 Test report 10

Annex A (informative) Filtered xenon-arc radiation -- Spectral power distribution 11

Annex B (normative) Additional exposure cycles 13

Bibliography 15