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| <b>STN</b> | <b>Náterové látky. Metódy vystavovania účinkom laboratórnych svetelných zdrojov. Časť 2: Xenónové lampy (ISO 16474-2: 2013).</b> | <b>STN<br/>EN ISO 16474-2</b><br><br>67 3100 |
|------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|

Paints and varnishes - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 16474-2:2013)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Obsahuje: EN ISO 16474-2:2013, ISO 16474-2:2013

Spolu s STN EN ISO 16474-1 ruší  
STN EN ISO 11341 (67 3100) z marca 2005

**118883**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.



## English Version

**Paints and varnishes - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 16474-2:2013)**

Peintures et vernis - Méthodes d'exposition à des sources lumineuses de laboratoire - Partie 2: Lampes à arc au xénon (ISO 16474-2:2013)

Beschichtungsstoffe - Künstliches Bestrahlen oder Bewittern in Geräten - Teil 2: Xenonbogenlampen (ISO 16474-2:2013)

This European Standard was approved by CEN on 26 October 2013.

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

| Contents      | Page |
|---------------|------|
| Foreword..... | 3    |

## Foreword

This document (EN ISO 16474-2:2013) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2014, and conflicting national standards shall be withdrawn at the latest by May 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 11341:2004.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 16474-2:2013 has been approved by CEN as EN ISO 16474-2:2013 without any modification.



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**Paints and varnishes — Methods of  
exposure to laboratory light sources —  
Part 2:  
Xenon-arc lamps**

*Peintures et vernis — Méthodes d'exposition à des sources lumineuses  
de laboratoire —*

*Partie 2: Lampes à arc au xénon*





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Published in Switzerland



# Contents

Page

|                                                                                               |           |
|-----------------------------------------------------------------------------------------------|-----------|
| <b>Foreword</b> .....                                                                         | <b>iv</b> |
| <b>Introduction</b> .....                                                                     | <b>v</b>  |
| <b>1 Scope</b> .....                                                                          | <b>1</b>  |
| <b>2 Normative references</b> .....                                                           | <b>1</b>  |
| <b>3 Terms and definitions</b> .....                                                          | <b>1</b>  |
| <b>4 Principle</b> .....                                                                      | <b>2</b>  |
| <b>5 Apparatus</b> .....                                                                      | <b>3</b>  |
| 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         |
| <b>6 Test specimens</b> .....                                                                 | <b>6</b>  |
| <b>7 Exposure conditions</b> .....                                                            | <b>6</b>  |
| 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         |
| <b>8 Procedure</b> .....                                                                      | <b>9</b>  |
| 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        |
| <b>9 Test report</b> .....                                                                    | <b>10</b> |
| <b>Annex A (informative) Filtered xenon-arc radiation — Spectral power distribution</b> ..... | <b>11</b> |
| <b>Annex B (normative) Additional exposure cycles</b> .....                                   | <b>13</b> |
| <b>Bibliography</b> .....                                                                     | <b>15</b> |

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [www.iso.org/directives](http://www.iso.org/directives)

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This first edition of ISO 16474-2, together with ISO 16474-1, cancels and replaces ISO 11341:2004 which has been technically revised.

ISO 16474 consists of the following parts, under the general title *Paints and varnishes — Methods of exposure to laboratory light sources*:

- *Part 1: General guidance*
- *Part 2: Xenon-arc lamps*
- *Part 3: Fluorescent UV lamps*
- *Part 4: Open-flame carbon-arc lamps*

## **Introduction**

Coatings of paints, varnishes and similar materials (subsequently referred to simply as coatings) are exposed to laboratory light sources, in order to simulate in the laboratory the ageing processes which occur during natural weathering or during exposure tests under glass cover.



# Paints and varnishes — Methods of exposure to laboratory light sources —

## Part 2: Xenon-arc lamps

### 1 Scope

This part of ISO 16474 specifies methods for exposing specimens to xenon-arc light in the presence of moisture to reproduce the weathering effects that occur when materials are exposed in actual end-use environments to daylight or to daylight filtered through window glass.

The specimens are exposed to filtered xenon-arc light under controlled conditions (temperature, humidity and/or wetting). Various types of xenon-arc lamps and various filter combinations may be used to meet all the requirements for testing different materials.

Specimen preparation and evaluation of the results are covered in other International Standards for specific materials.

General guidance is given in ISO 16474-1.

NOTE Xenon-arc exposures for plastics are described in ISO 4892-2.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4618, *Paints and varnishes — Terms and definitions*

ISO 9370, *Plastics — Instrumental determination of radiant exposure in weathering tests — General guidance and basic test method*

ISO 16474-1, *Paints and varnishes — Methods of exposure to laboratory light sources — Part 1: General guidance*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**