March 2014

DIN EN ISO 16474-1

DIN

ICS 87.040

Supersedes: see below

Paints and varnishes – Methods of exposure to laboratory light sources – Part 1: General guidance (ISO 16474-1:2013); English version EN ISO 16474-1:2013, English translation of DIN EN ISO 16474-1:2014-03

Beschichtungsstoffe –
Künstliches Bestrahlen oder Bewittern in Geräten –
Teil 1: Allgemeine Anleitung (ISO 16474-1:2013);
Englische Fassung EN ISO 16474-1:2013,
Englische Übersetzung von DIN EN ISO 16474-1:2014-03

Peintures et vernis –
Méthodes d'exposition à des sources lumineuses de laboratoire –
Partie 1: Lignes directrices générales (ISO 16474-1:2013);
Version anglaise EN ISO 16474-1:2013,
Traduction anglaise de DIN EN ISO 16474-1:2014-03

Together with DIN EN ISO 16474-2:2014-03, supersedes DIN EN ISO 11341:2004-12;
together with DIN EN ISO 16474-3:2014-03, supersedes DIN EN ISO 11507:2007-05

Document comprises 31 pages

Translation by DIN-Sprachendienst.
In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 16474-1:2013) has been prepared by Technical Committee ISO/TC 35 “Paints and varnishes” in collaboration with Technical Committee CEN/TC 139 “Paints and varnishes” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was the *Normenausschuss Beschichtungsstoffe und Beschichtungen* (Coatings and Coating Materials Standards Committee), Working Committee NA 002-00-07 AA *Allgemeine Prüfverfahren für Beschichtungsstoffe und Beschichtungen*.

DIN EN 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*

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 1513	DIN EN ISO 1513
ISO 1514	DIN EN ISO 1514
ISO 2808	DIN EN ISO 2808
ISO 2810	DIN EN ISO 2810
ISO 2813	DIN EN ISO 2813
ISO 3270	DIN EN 23270
ISO 3668	DIN EN ISO 3668
ISO 4618	DIN EN ISO 4618
ISO 4628-1	DIN EN ISO 4628-1
ISO 4628-2	DIN EN ISO 4628-2
ISO 4628-3	DIN EN ISO 4628-3
ISO 4628-4	DIN EN ISO 4628-4
ISO 4628-5	DIN EN ISO 4628-5
ISO 4628-6	DIN EN ISO 4628-6
ISO 4628-7	DIN EN ISO 4628-7
ISO 4628-8	DIN EN ISO 4628-8
ISO 4628-10	DIN EN ISO 4628-10
ISO 11664-4	DIN EN ISO 11664-4
ISO 15528	DIN EN ISO 15528

Amendments

This standard differs from DIN EN ISO 11341:2004-12 and DIN EN ISO 11507:2007-05 as follows:

a) general guidance on artificial weathering has been transferred to DIN EN ISO 16474-1;

b) specifications concerning xenon-arc lamps have been transferred to DIN EN ISO 16474-2;

c) specifications concerning fluorescent UV lamps have been transferred to DIN EN ISO 16474-3.

Previous editions

DIN 53231: 1972-09, 1991-04
DIN EN ISO 11341: 1998-02, 2004-12
DIN EN ISO 11507: 2002-01, 2007-05

National Annex NA
(informative)

Bibliography

DIN EN 23270, *Paints, varnishes and their raw materials — Temperatures and humidities for conditioning and testing*

DIN EN ISO 1513, *Paints and varnishes — Examination and preparation of test samples*

DIN EN ISO 1514, *Paints and varnishes — Standard panels for testing*

DIN EN ISO 2808, *Paints and varnishes — Determination of film thickness*

DIN EN ISO 2810, *Paints and varnishes — Natural weathering of coatings — Exposure and assessment*

DIN EN ISO 2813, *Paints and varnishes — Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°*

DIN EN ISO 3668, *Paints and varnishes — Visual comparison of the colour of paints*

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

DIN EN ISO 4628-1, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 1: General introduction and designation system*

DIN EN ISO 4628-2, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering*

DIN EN ISO 4628-3, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 3: Assessment of degree of rusting*

DIN EN ISO 4628-4, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 4: Assessment of degree of cracking*

DIN EN ISO 4628-5, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 5: Assessment of degree of flaking*

DIN EN ISO 4628-6, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 6: Assessment of degree of chalking by tape method*

DIN EN ISO 4628-7, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 7: Assessment of degree of chalking by velvet method*

DIN EN ISO 4628-8, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 8: Assessment of degree of delamination and corrosion around a scribe or other artificial defect*

DIN EN ISO 4628-10, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 10: Assessment of degree of filiform corrosion*

DIN EN ISO 11664-4, *Colorimetry — Part 4: CIE 1976 $L^*a^*b^*$ Colour space*

DIN EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 16474-1

November 2013

ICS 87.040

Supersedes EN ISO 11341:2004, EN ISO 11507:2007

English Version

Paints and varnishes - Methods of exposure to laboratory light sources - Part 1: General guidance (ISO 16474-1:2013)

Peintures et vernis - Méthodes d'exposition à des sources lumineuses de laboratoire - Partie 1: Lignes directrices générales (ISO 16474-1:2013)

Beschichtungsstoffe - Künstliches Bestrahlen oder Bewittern in Geräten - Teil 1: Allgemeine Anleitung (ISO 16474-1:2013)

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

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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