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Paints and varnishes - Standard panels for testing (ISO 1514:2016)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/17

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**Paints and varnishes - Standard panels for testing (ISO
1514:2016)**Peintures et vernis - Panneaux normalisés pour essai
(ISO 1514:2016)Beschichtungsstoffe - Norm-Probenplatten (ISO
1514:2016)

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European foreword

This document (EN ISO 1514:2016) 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of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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Endorsement notice

The text of ISO 1514:2016 has been approved by CEN as EN ISO 1514:2016 without any modification.

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**Paints and varnishes — Standard
panels for testing**

Peintures et vernis — Panneaux normalisés pour essai



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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 (see www.iso.org/directives).

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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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

This fifth edition cancels and replaces the fourth edition (ISO 1514:2004), which has been technically revised with the following changes:

- a) the preparation by zinc-phosphate and chromate treatment, chromate conversion coating and acid chromating, was deleted;
- b) the following materials have been amended: coil-coated panels, plastics panels, glass-fibre reinforced plastics composite panels (GRP), carbon-fibre reinforced plastics composite panels (CFP);
- c) the former Annex B on characterization of zinc and zinc alloy coatings has been deleted;
- d) a new [Annex B](#) on common substrate panel has been added;
- e) the normative references have been updated.

Introduction

For many of the test methods most widely used for paints and varnishes, the type of panel used and the particular way in which it is prepared for use can affect the test results to a significant degree. Consequently, it is important to standardize as carefully as possible both the panels and the procedures used to prepare the panels prior to painting.

It is not possible to include in an International Standard all the types of panels and preparation needed for paint testing

This International Standard describes preparation procedures that are known to be reproducible and gives additional guidance in instances where there might still be doubt due to lack of international uniformity of the procedure.

Paints and varnishes — Standard panels for testing

1 Scope

This International Standard specifies several types of standard panels and describes procedures for their preparation prior to painting. These standard panels are for use in general methods of test for paints, varnishes and related products (see [Annex B](#)).

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 1268 (all parts), *Fibre-reinforced plastics — Methods of producing test plates*

ISO 2409, *Paints and varnishes — Cross-cut test*

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

ISO 4287, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters*

ISO 8336, *Fibre-cement flat sheets — Product specification and test methods*

ISO 11949, *Cold-reduced electrolytic tinplate*

EN 520, *Gypsum plasterboards — Definitions, requirements and test methods*

EN 622 (all parts), *Fibreboards — Specifications*

EN 1396, *Aluminium and aluminium alloys — Coil coated sheet and strip for general applications — Specifications*

EN 10205, *Cold reduced blackplate in coil form for the production of tinplate or electrolytic chromium/chromium oxide coated steel*

EN 13523-1, *Coil coated metals — Test methods — Part 1: Film thickness*

EN 13523-22, *Coil coated metals — Test methods — Part 22: Colour difference — Visual comparison*

EN 15283-2, *Gypsum boards with fibrous reinforcement — Definitions, requirements and test methods — Part 2: Gypsum fibre boards*

EN 16245-1, *Fibre-reinforced plastic composites — Declaration of raw material characteristics — Part 1: General requirements*

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