
**Paints and varnishes — Visual comparison
of the colour of paints**

Peintures et vernis — Comparaison visuelle de la couleur des peintures



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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 3668 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 3668:1976), which has been technically revised.

Annexes A and B form an integral part of this International Standard. Annex C is for information only.

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Paints and varnishes — Visual comparison of the colour of paints

1 Scope

This International Standard is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

It specifies a method for the visual comparison of the colour of films of paints or related products against a standard (either a reference standard or a freshly prepared standard) using either natural daylight or artificial light sources in a standard booth.

It is not applicable to coatings containing special-effect pigments, e.g. metallics, without previous agreement on all details of illuminating and viewing conditions.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1512:1991, *Paints and varnishes — Sampling of products in liquid or paste form.*

ISO 1513:1992, *Paints and varnishes — Examination and preparation of samples for testing.*

ISO 1514:1993, *Paints and varnishes — Standard panels for testing.*

ISO 2808:1997, *Paints and varnishes — Determination of film thickness.*

ISO 3270:1984, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing.*

ISO 7724-1:—¹⁾, *Paints and varnishes — Colorimetry — Part 1: Principles.*

ISO 7724-2:—²⁾, *Paints and varnishes — Colorimetry — Part 2: Colour measurement.*

ISO 7724-3:—³⁾, *Paints and varnishes — Colorimetry — Part 3: Calculation of colour differences by CIELAB.*

CIE Publication No. 51:1981, *A method for assessing the quality of daylight simulators for colorimetry.*

CIE Publication No. 15.2:1986, *Colorimetry.*

1) To be published. (Revision of ISO 7724-1:1984)

2) To be published. (Revision of ISO 7724-2:1984)

3) To be published. (Revision of ISO 7724-3:1984)