

SLOVENSKI STANDARD

SIST EN ISO 18451-2:2018

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Nadomešča:

SIST EN ISO 18451-2:2017

Pigmenti, barvila in polnila - Terminologija - 2. del: Razvrstitev sredstev za obarvanje glede na barvne in kemijske lastnosti (ISO 18451-2:2018)

Pigments, dyestuffs and extenders - Terminology - Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2018)

Pigmente, Farbstoffe und Füllstoffe - Begriffe - Teil 2: Einteilung nach koloristischen und chemischen Gesichtspunkten (ISO 18451-2:2018)

Pigments, colorants et matières de charge Terminologie - Partie 2: Classification des matières colorantes en fonction de leurs aspects colorimétriques et chimiques (ISO 18451-2:2018)

Ta slovenski standard je istoveten z: EN ISO 18451-2:2018

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87.060.10	Pigmenti in polnila	Pigments and extenders

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en,fr,de

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EUROPEAN STANDARD

EN ISO 18451-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

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Supersedes EN ISO 18451-2:2017

English Version

Pigments, dyestuffs and extenders - Terminology - Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2018)

Pigments, colorants et matières de charge -
Terminologie - Partie 2: Classification des matières
colorantes en fonction de leurs aspects colorimétriques
et chimiques (ISO 18451-2:2018)

Pigmente, Farbstoffe und Füllstoffe - Begriffe - Teil 2:
Einteilung nach koloristischen und chemischen
Gesichtspunkten (ISO 18451-2:2018)

This European Standard was approved by CEN on 26 August 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 18451-2:2018) has been prepared by Technical Committee ISO/TC 256 "Pigments, dyestuffs and extenders" in collaboration with Technical Committee CEN/TC 298 "Pigments and extenders" 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 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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

This document supersedes EN ISO 18451-2:2017.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 18451-2:2018 has been approved by CEN as EN ISO 18451-2:2018 without any modification.

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INTERNATIONAL
STANDARD

ISO
18451-2

Second edition
2018-08

**Pigments, dyestuffs and extenders —
Terminology —**

Part 2:
**Classification of colouring materials
according to colouristic and chemical
aspects**

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Pigments, colorants et matières de charge — Terminologie —

*Partie 2: Classification des matières colorantes en fonction de leurs
aspects colorimétriques et chimiques*

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ISO 18451-2:2018(E)

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 voluntary nature of standards, 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. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 256, *Pigments, dyestuffs and extenders*.

This second edition cancels and replaces the first edition (ISO 18451-2:2015), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- [Clause 2](#) has been updated;
- the boilerplate of [Clause 3](#) has been updated;
- the typing errors, e.g. missing names of colouring materials, have been corrected;
- the numbering of some footnotes has been corrected.

A list of all parts in the ISO 18451 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In accordance with ISO 18451-1, it depends on the individual application as to whether a substance is to be considered as a pigment or as an extender. Substances like aluminium silicate, barium sulfate and calcium carbonate are taken into consideration in [Clauses 4](#) and [5](#).

In addition to the examples of the colouring materials, the designation in accordance with the Colour Index¹⁾[\[1\]](#) has been included. However, it is to be noted that for a number of the given designations of colouring materials (which are partly collective designations) not only one designation in accordance with the Colour Index is possible, even if in this document only one Colour Index designation is given.

In the “Classification scheme” in [Clause 4](#), some spaces are empty. Corresponding colouring materials are either without practical importance or they do not exist for physical reasons.

Inorganic dyestuffs, e.g. those for use with enamel, glass, ceramics and food, have been only mentioned in [Clauses 4](#) and [5](#) but not classified in accordance with certain aspects. The reason for this is that up to now, such colouring materials are excluded from the work of ISO/TC 256.

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1) The Colour Index (briefly: C.I.) is a work of reference existing since 1925, and comprising all usual colouring materials and dyestuff chemicals being used as their basis. It is accepted as a standard work in the field of pigment and dyestuff chemistry.