
Pigmenti, barvila in polnila - Terminologija - 2. del: Razvrstitev sredstev za obarvanje glede na barvne in kemijske lastnosti (ISO/DIS 18451-2:2026)

Pigments, dyestuffs and extenders - Vocabulary - Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO/DIS 18451-2:2026)

Pigmente, Farbstoffe und Füllstoffe - Begriffe - Teil 2: Einteilung nach koloristischen und chemischen Gesichtspunkten (ISO/DIS 18451-2:2026)

Pigments, colorants et matières de charge - Vocabulaire - Partie 2: Classification des matières colorantes selon leurs aspects colorimétriques et chimiques (ISO/DIS 18451-2:2026)

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87.060.10	Pigmenti in polnila	Pigments and extenders

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DRAFT International Standard

ISO/DIS 18451-2

Pigments, dyestuffs and extenders — Vocabulary —

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

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Foreword

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

This third edition cancels and replaces the second edition (ISO 18451-2:2018), which has been technically revised. The changes compared to the previous edition are as follows:

- in [Table 1](#), for manganese ferrite black (4.1.1.3) the colour index “Pigment Black 33” has been added;
- in [Table 2](#), for ion manganese brown (5.1.1.3) the colour index “Pigment Brown 7 + 8” has been changed to “Pigment Brown 43”, and the stoichiometric formula has been modified to $(\text{Fe,Mn})_2\text{O}_3$;
- in [Table 2](#), for ion manganese black (5.1.1.3) the stoichiometric formula has been modified to $(\text{Fe,Mn})_2\text{O}_3 \cdot (\text{Fe,Mn})_3\text{O}_4$;
- the colour range of isoindolinone (5.2.1.5) and perylene (5.2.2.2) 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.

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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.