SLOVENSKI STANDARD
oSIST prEN ISO 18451-1:2026

01-maj-2026

Pigmenti, barvila in polnila - Terminologija - 1. del: Splošni izrazi (ISO/DIS 18451-1:2026)

Pigments, dyestuffs and extenders - Vocabulary - Part 1: General terms (ISO/DIS 18451-1:2026)

Pigmente, Farbstoffe und Füllstoffe - Begriffe - Teil 1: Allgemeine Begriffe (ISO/DIS 18451-1:2026)

Pigments, colorants et matières de charge - Vocabulaire - Partie 1: Termes généraux (ISO/DIS 18451-1:2026)

Ta slovenski standard je istoveten z: **prEN ISO 18451-1**

ICS:

01.040.87	Industrija barv (Slovarji)	Paint and colour industries (Vocabularies)
87.060.10	Pigmenti in polnila	Pigments and extenders

oSIST prEN ISO 18451-1:2026 **en,fr,de**

DRAFT International Standard

ISO/DIS 18451-1

Pigments, dyestuffs and extenders — Vocabulary —

Part 1: General terms

ICS: 01.040.87; 87.060.10

ISO/TC **256**

Secretariat: **DIN**

Voting begins on:
2026-03-16

Voting terminates on:
2026-06-08

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 18451-1:2026(en)

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Published in Switzerland

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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 18451-1:2019), which has been technically revised. The main changes compared to the previous edition are as follows:

— the definition for carbon black (3.13) has been revised;

— the definition for metal effect pigment (3.72) was expanded to include note 2 to entry;

— the definitions for ultramarine pigment (3.127) has been aligned with ISO 788;

— the terms adopted from ISO 4618 and ISO 80004-1 have been adapted to the current editions of the documents.

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.

In addition to text written in the official ISO languages (English, French or Russian), this document gives text in German. This text is published under the responsibility of the member body for Germany (DIN) and is given for information only. Only the text given in the official languages can be considered as ISO text.

Pigments, dyestuffs and extenders — Vocabulary —

Part 1: General terms

1 Scope

This document defines terms that are used in the field of pigments, dyestuffs and extenders.

For some terms, reference is made to ISO 4618 in which also terms and definitions for colourants are given, relating to their use in coating materials.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
abrasiveness
property of *pigments* (3.96) or *extenders* (3.34) and their preparations to cause wear at the used apparatus by mechanical action

3.2
aluminium pigment
pigment (3.96) consisting essentially of finely divided pure aluminium Al 99,5 % (mass fraction)

Note 1 to entry: The aluminium particles have lamellar form.

3.3
apparent density after tamping
ratio of mass to volume of a powder after compressing (e.g. by tamping or vibration) under specified conditions

3.4
barite
naturally occurring barium sulphate, $BaSO_4$

3.5
binder demand
amount of a binder or binder solution that is required to obtain, under specified dispersion conditions, a mass of defined rheology

3.6
bismuth vanadate pigment
yellow inorganic *pigment* (3.96) consisting of bismuth vanadate with or without isomorphous inclusion of bismuth molybdate