

Pigments, dyestuffs and extenders - Terminology - Part
1: General terms (ISO 18451-1:2015)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Pigments, dyestuffs and extenders - Terminology - Part 1:
General terms (ISO 18451-1:2015)**

Pigments, colorants et matières de charge -
Terminologie - Partie 1: Termes généraux (ISO 18451-
1:2015)

Pigmente, Farbstoffe und Füllstoffe - Begriffe - Teil 1:
Allgemeine Begriffe (ISO 18451-1:2015)

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European foreword

The text of ISO 18451-1:2015 has been prepared by Technical Committee ISO/TC 256 “Pigments, dyestuffs and extenders” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 18451-1:2017 by 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of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

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Endorsement notice

The text of ISO 18451-1:2015 has been approved by CEN as EN ISO 18451-1:2017 without any modification.

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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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 256, *Pigments, dyestuffs and extenders*.

ISO 18451 consists of the following parts, under the general title *Pigments, dyestuffs and extenders — Terminology*:

- *Part 1: General terms*
- *Part 2: Classification of colouring materials according to colouristic and chemical aspects*

Pigments, dyestuffs and extenders — Terminology —

Part 1: General terms

1 Scope

This part of ISO 18451 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.

In addition to terms in English and French (two of the three official ISO languages), this part of ISO 18451 gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

NOTE Those terms that are defined elsewhere in this part of ISO 18451 are shown in *italics*.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

abrasiveness

property of *pigments* (2.95) or *extenders* (2.34) and their preparations to cause wear at the used apparatus by mechanical action

2.2

aluminium pigment

pigment (2.95) consisting essentially of finely divided pure aluminium Al 99,5

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

2.3

apparent density after tamping

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

2.4

barite

naturally occurring barium sulfate, BaSO₄

2.5

binder demand

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

2.6

bismuth vanadate pigment

yellow inorganic *pigment* (2.95) consisting of bismuth vanadate with or without isomorphous inclusion of bismuth molybdate