

SLOVENSKI STANDARD SIST EN ISO 1247-1:2023

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Aluminijevi pigmenti za barve - 1. del: Splošni aluminijevi pigmenti (ISO 1247-1:2021)

Aluminium pigments for paints - Part 1: General aluminium pigments (ISO 1247-1:2021)

Aluminium-Pigmente für Beschichtungsstoffe - Teil 1: Allgemeine Aluminium-Pigmente (ISO 1247-1:2021)

Pigments d'aluminium pour peintures - Partie 1: Pigments d'aluminium à usage général (ISO 1247-1:2021)

Ta slovenski standard je istoveten z: EN ISO 1247-1:2023

ICS:

77.120.10 Aluminij in aluminijeve zlitine Aluminium and aluminium

alloys

87.060.10 Pigmenti in polnila Pigments and extenders

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN ISO 1247-1**

June 2023

ICS 87.060.10

English Version

Aluminium pigments for paints - Part 1: General aluminium pigments (ISO 1247-1:2021)

Pigments d'aluminium pour peintures - Partie 1: Pigments d'aluminium à usage général (ISO 1247-1·2021) Aluminium-Pigmente für Beschichtungsstoffe - Teil 1: Allgemeine Aluminium-Pigmente (ISO 1247-1:2021)

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

The text of ISO 1247-1:2021 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 1247-1:2023 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of an identical text or by endorsement, at the latest by December 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.

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Endorsement notice

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Aluminium pigments for paints — Part 1: General aluminium pigments

Pigments d'aluminium pour peintures — Partie 1: Pigments d'aluminium généraux

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

This first edition of ISO 1247-1, together with ISO 1247-2, cancels and replaces ISO 1247:1974, which has been technically revised. It also incorporates the Amendment ISO 1247:1974/Amd 1:1982.

The main changes compared to the previous edition are as follows:

- an introduction has been added, giving the reasons for the division;
- Clause 3, Terms and definitions, has been added and the terms "non-volatile-matter" and "hiding power" have been included;
- a distinction between surface-treated and surface-untreated aluminium pigments has been introduced in Clause 4 and 5;
- former subclause 4.2, Classes, has been deleted;
- "matter volatile at 105 °C" has been substituted by "non-volatile-matter";
- former Clause 6, Packing, has been deleted;
- Clause 7, Sampling, has been reduced to a reference to ISO 15528;
- the requirements and test methods of "pigment specific surface area", "particle size distribution" and "hiding power" and the corresponding test methods have been added to <u>Table 1</u> and <u>Table 1</u> has been renamed "Requirements and test methods";
- the test method for "manganese" has been deleted from the metallic impurities in Table 1;
- the flame atomic absorption spectrometric method has been introduced to determine metal impurities;
- former Clause 13, Test for absence of leafing power, has been deleted;

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- Table 3, test portions, has been deleted;
- Clause 16, Determination of hiding power, has been added;
- the normative references have been updated and the text has been editorially revised.

A list of all parts in the ISO 1247 series can be found on the ISO website.

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