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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](http://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](http://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 of 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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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 [Table 1](#) and [Table 1](#) 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;