

**Paints and varnishes - Terms and definitions (ISO
4618:2014)**

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NATIONAL FOREWORD

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ICS 01.040.87; 87.040

English Version

Paints and varnishes - Terms and definitions (ISO 4618:2014)

Peintures et vernis - Termes et définitions (ISO 4618:2014)

Einführendes Element - Haupt-Element - Ergänzendes
Element (ISO 4618:2014)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN ISO 4618:2014) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" 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of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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Endorsement notice

The text of ISO 4618:2014 has been approved by CEN as EN ISO 4618:2014 without any modification.

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Paints and varnishes — Terms and definitions

1 Scope

This International Standard defines terms used in the field of coating materials (paints, varnishes and raw materials for paints and varnishes).

Terms relating to specific applications and properties are dealt with in standards concerning those applications and properties, e.g. corrosion protection, coating powders.

Terms on nanotechnologies are harmonized with ISO/TS 80004-4.

In addition to terms in English and French (two of the three official ISO languages), this International Standard 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 1 Those terms that are defined elsewhere in this International Standard are shown in *italics*.

NOTE 2 See also the ISO online browsing platform (OBP): <https://www.iso.org/obp/ui/>

2 Terms and definitions

2.1

abrasion

process of wearing away or deformation of a surface by friction as a result of rubbing

2.2

abrasive blast-cleaning

impingement of a high-kinetic-energy stream of an abrasive on the surface to be prepared

2.3

accelerator

additive that increases the speed of chemical reactions

2.4

acid value

number of milligrams of potassium hydroxide (KOH) required to neutralize 1 g of a sample under specified test conditions

2.5

acrylic resin

synthetic resin resulting from the polymerization or copolymerization of acrylic and/or methacrylic monomers, frequently together with other monomers

2.6

additive

any substance, added in small quantities to a *coating material*, to improve or otherwise modify one or more properties

2.7

adhesion

phenomenon of attachment at the interface between a solid surface and another material caused by molecular forces

Note 1 to entry: Adhesion should not be confused with *cohesion*.