

SLOVENSKI STANDARD
SIST EN ISO 8130-14:2004
01-julij-2004

Coating powders - Part 14: Terminology (ISO 8130-14:2004)

Coating powders - Part 14: Terminology (ISO 8130-14:2004)

Pulverlacke - Teil 14: Terminologie (ISO 8130-14:2004)

Poudres pour revêtement - Partie 14: Terminologie (ISO 8130-14:2004)

Ta slovenski standard je istoveten z: EN ISO 8130-14:2004

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ICS:

01.040.87	Industrija barv (Slovarji)	Paint and colour industries (Vocabularies)
87.040	Barve in laki	Paints and varnishes

SIST EN ISO 8130-14:2004 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8130-14

May 2004

ICS 87.040; 01.040.87

English version

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 8130-14:2004 (E)**Foreword**

This document (EN ISO 8130-14:2004) 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of an identical text or by endorsement, at the latest by November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 8130-14:2004 has been approved by CEN as EN ISO 8130-14:2004 without any modifications.

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Coating powders —

**Part 14:
Terminology**

Poudres pour revêtement —

Partie 14: Terminologie

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 8130-14 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

ISO 8130 consists of the following parts, under the general title *Coating powders*:

- *Part 1: Determination of particle size distribution by sieving*
- *Part 2: Determination of density by gas comparison pycnometer (referee method)*
- *Part 3: Determination of density by liquid displacement pycnometer*
- *Part 4: Calculation of lower explosion limit*
- *Part 5: Determination of flow properties of a powder/air mixture*
- *Part 6: Determination of gel time of thermosetting coating powders at a given temperature*
- *Part 7: Determination of loss of mass on stoving*
- *Part 8: Assessment of the storage stability of thermosetting powders*
- *Part 9: Sampling*
- *Part 10: Determination of deposition efficiency*
- *Part 11: Inclined-plane flow test*
- *Part 12: Determination of compatibility*
- *Part 13: Particle size analysis by laser diffraction*
- *Part 14: Terminology*

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Coating powders —

Part 14: Terminology

1 Scope

This part of ISO 8130 defines special terms used in the field of coating powders.

Other terms and definitions related to paints and varnishes are given in ISO 4618, *Paints and varnishes — Terms and definitions for coating materials*.

2 Terms and definitions

2.1

agglomeration

condition in which individual particles become joined together into larger assemblies

2.2

back ionization

electrostatic rejection

electrostatic repulsion

dielectric breakdown in an electrostatically deposited powder caused by an excess accumulation of charge

NOTE The phenomenon is associated with the disruption of the layer, leading to surface defects and to the eventual disintegration of the coating.

2.3

charge-to-mass ratio

ratio of the electric charge on a powder sample to its mass

NOTE A ratio of at least 10^{-4} C · kg⁻¹ is normally required for acceptable coating performance.

2.4

classification

division of a powder sample into two fractions, one above, the other below a predetermined particle size

2.5

coating powder

finely divided particles of resin, either thermoplastic or thermosetting, generally incorporating pigments, fillers (extenders) and additives, and remaining finely divided during storage under suitable conditions, which, after fusion and possibly curing, give a continuous film

2.6

compaction

agglomeration of particles under pressure