

**Coating powders - Part 13: Particle size analysis by  
laser diffraction**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 8130-13:2010 sisaldab Euroopa standardi EN ISO 8130-13:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.12.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 10.11.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 8130-13:2010 consists of the English text of the European standard EN ISO 8130-13:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.12.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 10.11.2010.

The standard is available from Estonian standardisation organisation.

ICS 87.040

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English Version

## Coating powders - Part 13: Particle size analysis by laser diffraction (ISO 8130-13:2001)

Poudres pour revêtement - Partie 13: Analyse granulométrique par diffraction laser (ISO 8130-13:2001)

Pulverlacke - Teil 13: Teilchengrößenanalyse durch Laserbeugung (ISO 8130-13:2001)

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## Foreword

The text of ISO 8130-13:2001 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8130-13:2010 by 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of an identical text or by endorsement, at the latest by May 2011, and conflicting national standards shall be withdrawn at the latest by May 2011.

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### Endorsement notice

The text of ISO 8130-13:2001 has been approved by CEN as a EN ISO 8130-13:2010 without any modification.

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# Coating powders —

## Part 13: Particle size analysis by laser diffraction

### 1 Scope

This part of ISO 8130 is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

It specifies a method for the determination of the equivalent-sphere particle size distribution of coating powders by laser diffraction and is suitable for discriminating between particles of the size range from 1 µm to 300 µm.

This method is applicable only for dry powders.

NOTE Most instruments will be capable of discriminating between particles of sizes beyond these limits.

### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 8130. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 8130 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 3270:1984, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing*

ISO 8130-9:1992, *Coating powders — Part 9: Sampling*

ISO 9276-1:1998, *Representation of results of particle size analysis — Part 1: Graphical representation*

ISO 13320-1:1999, *Particle size analysis — Laser diffraction methods — Part 1: General principles*

### 3 Term and definition

For the purposes of this part of ISO 8130, the following term and definition apply.

#### 3.1

##### **obscuration**

percentage or fraction of incident light that is attenuated due to extinction (scattering and/or absorption) by the particles of a coating powder

NOTE A full list of definitions is given in ISO 13320-1.