



SLOVENSKI STANDARD SIST EN ISO 8130-3:2021

01-september-2021

Nadomešča:

SIST EN ISO 8130-3:2012

Praškasti premazi - 3. del: Določanje gostote s piknometrom z izpodrivom tekočine (ISO 8130-3:2021)

Coating powders - Part 3: Determination of density by liquid displacement pyknometer (ISO 8130-3:2021)

Pulverlacke - Teil 3: Bestimmung der Dichte mit einem Pyknometer durch Flüssigkeitsverdrängung (ISO 8130-3:2021)

Poudres pour revêtement - Partie 3: Détermination de la masse volumique à l'aide d'un pycnomètre à déplacement de liquide (ISO 8130-3:2021)

Ta slovenski standard je istoveten z: EN ISO 8130-3:2021

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 8130-3:2021

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8130-3:2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021>

EUROPEAN STANDARD

EN ISO 8130-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2021

ICS 87.040

Supersedes EN ISO 8130-3:2010

English Version

Coating powders - Part 3: Determination of density by liquid displacement pycnometer (ISO 8130-3:2021)

Poudres pour revêtement - Partie 3: Détermination de la masse volumique à l'aide d'un pycnomètre à déplacement de liquide (ISO 8130-3:2021)

Pulverlacke - Teil 3: Bestimmung der Dichte mit einem Pycnometer durch Flüssigkeitsverdrängung (ISO 8130-3:2021)

This European Standard was approved by CEN on 28 April 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8130-3:2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021>

European foreword

This document (EN ISO 8130-3:2021) 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 January 2022, and conflicting national standards shall be withdrawn at the latest by January 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 8130-3:2010.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN websites.

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

Endorsement notice

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b->

[b35786c7fb7a/sist-en-iso-8130-3-2021](https://standards.iteh.ai/catalog/standards/sist/b35786c7fb7a/sist-en-iso-8130-3-2021)

The text of ISO 8130-3:2021 has been approved by CEN as EN ISO 8130-3:2021 without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8130-3:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021>

INTERNATIONAL
STANDARD

ISO
8130-3

Second edition
2021-06

Coating powders —

Part 3:

**Determination of density by liquid
displacement pycnometer**

Poudres pour revêtement —

*Partie 3: Détermination de la masse volumique à l'aide d'un
pycnomètre à déplacement de liquide*
(standards.iteh.ai)

[SIST EN ISO 8130-3:2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)

[https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-
b35786c7fb7a/sist-en-iso-8130-3-2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)



Reference number
ISO 8130-3:2021(E)

© ISO 2021

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 8130-3:2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-ce1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Materials	1
6 Apparatus	2
7 Sampling	2
8 Procedure	2
8.1 Number of determinations	2
8.2 Determination of the density of the displacement liquid	2
8.3 Determination of the density of the coating powder	2
9 Expression of results	3
10 Precision	3
11 Test report	3
Bibliography	4

ITeH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 8130-3:2021](https://standards.iteh.ai/catalog/standards/sist/a5eb238b-cc1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021)

<https://standards.iteh.ai/catalog/standards/sist/a5eb238b-cc1d-44ef-af8b-b35786c7fb7a/sist-en-iso-8130-3-2021>

ISO 8130-3:2021(E)

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).

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).

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.

This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 8130-3:1992), which has been technically revised. The main changes compared to the previous edition are as follows:

- the scope has been revised editorially;
- the terms and definitions clause ([Clause 3](#)) has been added;
- the reference for the pycnometer has been changed from ISO 787-10 to ISO 2811-1;
- the use of acetone for cleaning the pycnometer has been deleted;
- the order of filling the pycnometer has been changed;
- the acceptable difference between two results ([Clause 9](#)) is given as a percentage;
- the text has been editorially revised and the normative references have been updated.

A list of all parts in the ISO 8130 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.