



SLOVENSKI STANDARD

SIST EN ISO 2811-4:2011

01-november-2011

Nadomešča:

SIST EN ISO 2811-4:2002

Barve in laki - Ugotavljanje gostote - 4. del: Metoda s tlačnim piknometrom (ISO 2811-4:2011)

Paints and varnishes - Determination of density - Part 4: Pressure cup method (ISO 2811-4:2011)

Beschichtungsstoffe - Bestimmung der Dichte - Teil 4: Druckzylinder-Verfahren (ISO 2811-4:2011)

Peintures et vernis - Détermination de la masse volumique - Partie 4: Méthode du cylindre sous pression (ISO 2811-4:2011)

Ta slovenski standard je istoveten z: EN ISO 2811-4:2011

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 2811-4:2011

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 2811-4:2011

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2811-4

March 2011

ICS 87.040

Supersedes EN ISO 2811-4:2001

English Version

**Paints and varnishes - Determination of density - Part 4:
Pressure cup method (ISO 2811-4:2011)**

Peintures et vernis - Détermination de la masse volumique
- Partie 4: Méthode du cylindre sous pression (ISO 2811-4:2011)

Beschichtungsstoffe - Bestimmung der Dichte - Teil 4:
Druckzylinder-Verfahren (ISO 2811-4:2011)

This European Standard was approved by CEN on 19 February 2011.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 2811-4:2011](https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011)

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
---------------	---

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 2811-4:2011](https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011)

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>

Foreword

This document (EN ISO 2811-4:2011) 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 September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

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

This document supersedes EN ISO 2811-4:2001.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Endorsement notice

The text of ISO 2811-4:2011 has been approved by CEN as a EN ISO 2811-4:2011 without any modification.

[SIST EN ISO 2811-4:2011](https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011)

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 2811-4:2011

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>

INTERNATIONAL STANDARD

ISO
2811-4

Second edition
2011-03-01

Paints and varnishes — Determination of density —

Part 4: Pressure cup method

Peintures et vernis — Détermination de la masse volumique —

Partie 4: Méthode du cylindre sous pression

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 2811-4:2011

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>



Reference number
ISO 2811-4:2011(E)

© ISO 2011

ISO 2811-4:2011(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 2811-4:2011

<https://standards.iteh.ai/catalog/standards/sist/a73010f9-b395-4cf3-b52f-55a7f8c1eb94/sist-en-iso-2811-4-2011>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web 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 Temperature	2
6 Apparatus	2
7 Sampling	2
8 Procedure	2
8.1 General	2
8.2 Determination	2
9 Calculation	4
10 Precision	4
10.1 General	4
10.2 Repeatability limit, r	4
10.3 Reproducibility limit, R	4
11 Test report	4
Annex A (normative) Calibration of pressure cup	6
Annex B (informative) Temperature variation	8