BS EN ISO 2811-1:2011

BSI Standards Publication

Paints and varnishes — Determination of density

Part 1: Pyknometer method (ISO 2811-1:2011)

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National foreword

This British Standard is the UK implementation of EN ISO 2811-1:2011. It supersedes BS EN ISO 2811-1:2001 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/10, Test methods for paints.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2011.

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EUROPEAN STANDARD

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English Version

Paints and varnishes - Determination of density - Part 1: Pyknometer method (ISO 2811-1:2011)

Peintures et vernis - Détermination de la masse volumique - Partie 1: Méthode pycnométrique (ISO 2811-1:2011)

Beschichtungsstoffe - Bestimmung der Dichte - Teil 1: Pyknometer-Verfahren (ISO 2811-1:2011)

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

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Foreword

This document (EN ISO 2811-1:2011) 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of an identical text or by endorsement, at the latest by September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.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 2811-1:2001.

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Endorsement notice

The text of ISO 2811-1:2011 has been approved by CEN as a EN ISO 2811-1:2011 without any modification.

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Full document details: BS EN ISO 2811-1:2011

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 3

9 Calculation 4

10 Precision 4
10.1 Repeatability limit, r 4
10.2 Reproducibility limit, R 4

11 Test report 5

Annex A (informative) **Example of a calibration method** 6

Annex B (informative) **Temperature variation** 8

Bibliography 10

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Full document details: BS EN ISO 2811-1:2011

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 2811-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 2811-1:1997), which has been technically revised.

The main changes are the following.

a) The unit for the density has been changed from grams per millilitre to grams per cubic centimetre, because this is the more common SI unit.

b) The determination in duplicate has been changed to a single determination.

c) The information on calibration procedure has been changed to an example only and the status of Annex B has been changed from normative to informative.

d) The Hubbard pyknometer has been deleted because it is not used for paints and varnishes and their raw materials, but for bitumen and putty only (see ISO 3507).

e) The dust-proof container has been deleted because it is not used in practice.

f) The precision data has been updated by an interlaboratory test.

g) The normative references have been updated.

ISO 2811 consists of the following parts, under the general title *Paints and varnishes — Determination of density*:

— *Part 1: Pyknometer method*

— *Part 2: Immersed body (plummet) method*

— *Part 3: Oscillation method*

— *Part 4: Pressure cup method*

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