Paints and varnishes - Buchholz indentation test

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN ISO 2815:2004 sisaldab Euroopa standardi EN ISO 2815:2003 ingliskeelset teksti. Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 2815:2004 consists of the English text of the European standard EN ISO 2815:2003. This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This international standard describes a method for carryng out an indentation test an a single coating or multicoat system of paint, varnish or related product, using a Buchholz indentor	**Scope:** This international standard describes a method for carryng out an indentation test an a single coating or multicoat system of paint, varnish or related product, using a Buchholz indentor

ICS 87.040

Võtmesõnad: buchholz, coating materials, compression testing, hardness measurement, indentation tests, layers, materials testing, multilayer system, paints, testing, tests, varnishes

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2815

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Supersedes EN ISO 2815 : 1998.

English version

Paints and varnishes

Buchholz indentation test
(ISO 2815 : 2003)

Peintures et vernis – Essai d'indentation Buchholz (ISO 2815 : 2003)

Beschichtungsstoffe – Eindruckversuch nach Buchholz
(ISO 2815 : 2003)

This European Standard was approved by CEN on 2003-03-25.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

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Foreword

International Standard

ISO 2815 : 2003 Paints and varnishes – Buchholz indentation test,

which was prepared by ISO/TC 35 'Paints and varnishes' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 139 'Paints and varnishes', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by October 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 2815 : 2003 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

Contents

Page

1 Scope

This International Standard describes a method for carrying out an indentation test on a single coating or multicoat system of paint, varnish or related product, using a Buchholz indentor. The length of the indentation produced is indicative of the residual deformation of the coating.

This indentation test is not suitable for products which contain a strong plasticizer.

NOTE 1 Since the indentation test, like other physical tests on paints, gives results which can be dependent upon time, temperature and humidity, comparable results will only be obtained if the test is carried out under well-defined conditions.

NOTE 2 Since the indentation depth depends upon the film thickness, the result obtained for the indentation length is only valid if the coating thickness exceeds a certain minimum value (see Annex A).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1513, *Paints and varnishes — Examination and preparation of samples for testing*

ISO 1514, *Paints and varnishes — Standard panels for testing*

ISO 2808, *Paints and varnishes — Determination of film thickness*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

3 Principle

An indentor of specified size and shape is applied to the coating under defined conditions. The indentation length is measured in millimetres (see Annex A).

4 Apparatus

4.1 Indentation apparatus

This is shown in Figure 1. It consists essentially of a rectangular block of metal, which forms the body of the instrument, an indentor and two pointed feet.