



SLOVENSKI STANDARD SIST EN ISO 7783:2012

01-januar-2012

Nadomešča:

SIST EN ISO 7783-1:1999

SIST EN ISO 7783-2:1999

Barve in laki - Ugotavljanje prepustnosti vodne pare - Metoda s čašo (ISO 7783:2011)

Paints and varnishes - Determination of water-vapour transmission properties - Cup method (ISO 7783:2011)

Beschichtungsstoffe - Bestimmung der Wasserdampfdurchlässigkeit - Schalenverfahren (ISO 7783:2011)

Peintures et vernis - Détermination du coefficient de transmission de la vapeur d'eau - Méthode au cylindre (ISO 7783:2011)

Ta slovenski standard je istoveten z: EN ISO 7783:2011

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 7783:2012

en,fr

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EUROPEAN STANDARD

EN ISO 7783

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2011

ICS 87.040

Supersedes EN ISO 7783-1:1999, EN ISO 7783-2:1999

English Version

Paints and varnishes - Determination of water-vapour transmission properties - Cup method (ISO 7783:2011)

Peintures et vernis - Détermination des propriétés de transmission de la vapeur d'eau - Méthode de la coupelle (ISO 7783:2011)

Beschichtungsstoffe - Bestimmung der Wasserdampfdurchlässigkeit - Schalenverfahren (ISO 7783:2011)

This European Standard was approved by CEN on 21 November 2011.

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Foreword

This document (EN ISO 7783:2011) 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of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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 7783-1:1999, EN ISO 7783-2:1999.

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.

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The text of ISO 7783:2011 has been approved by CEN as a EN ISO 7783:2011 without any modification.

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INTERNATIONAL STANDARD

ISO
7783

First edition
2011-11-01

Paints and varnishes — Determination of water-vapour transmission properties — Cup method

*Peintures et vernis — Détermination des propriétés de transmission de
la vapeur d'eau — Méthode de la coupelle*

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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.

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.

ISO 7783 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This first edition of ISO 7783 cancels and replaces ISO 7783-1:1996 and ISO 7783-2:1999, which have been merged and technically revised. It also incorporates the Technical Corrigendum ISO 7783-1:1996/Cor.1:1998.

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Introduction

ISO 7783 is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products. It describes a method for determining the water-vapour transmission rate of self-supporting and non-self-supporting coatings.

The water-vapour transmission rate is not necessarily a linear function of film thickness, temperature or relative-humidity difference. A determination carried out under one set of conditions will not necessarily be comparable with one carried out under other conditions. Therefore, it is essential that the conditions of test are chosen to be as close as possible to the conditions of use.

Water-vapour transmission is of greatest interest under conditions of high humidity. For this reason, the wet-cup method has been adopted as the reference method. By agreement, other procedures and conditions, like the dry-cup method, may be used.

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