SLOVENSKI STANDARD
SIST EN ISO 7784-2:2023

01-maj-2023

Nadomešča:
SIST EN ISO 7784-2:2016

Barve in laki - Ugotavljanje odpornosti proti obrabi - 2. del: Metoda z abrazivno gumo na vrteči plošči in rotirajočimi preskušanci (ISO 7784-2:2023)

Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO 7784-2:2023)

Beschichtungsstoffe - Bestimmung des Abriebwiderstandes - Teil2: Verfahren mit Reibrädern aus Gummi und rotierender Probe (ISO 7784-2:2023)

Peintures et vernis - Détermination de la résistance à l'abrasion - Partie 2: Méthode utilisant des roues abrasives en caoutchouc et une éprouvette rotative (ISO 7784-2:2023)

Ta slovenski standard je istoveten z: **EN ISO 7784-2:2023**

ICS:

87.040	Barve in laki	Paints and varnishes

SIST EN ISO 7784-2:2023 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 7784-2

February 2023

ICS 87.040

Supersedes EN ISO 7784-2:2016

English Version

Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO 7784-2:2023)

Peintures et vernis - Détermination de la résistance à l'abrasion - Partie 2: Méthode utilisant des roues abrasives en caoutchouc et une éprouvette rotative (ISO 7784-2:2023)

Beschichtungsstoffe - Bestimmung des Abriebwiderstandes - Teil2: Verfahren mit Reibrädern aus Gummi und rotierender Probe (ISO 7784-2:2023)

This European Standard was approved by CEN on 22 January 2023.

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

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

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European foreword

This document (EN ISO 7784-2:2023) 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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 7784-2:2016.

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Endorsement notice

The text of ISO 7784-2:2023 has been approved by CEN as EN ISO 7784-2:2023 without any modification.

INTERNATIONAL STANDARD

ISO 7784-2

Third edition
2023-02

Paints and varnishes — Determination of resistance to abrasion —

Part 2: Method with abrasive rubber wheels and rotating test specimen

Peintures et vernis — Détermination de la résistance à l'abrasion —

Partie 2: Méthode utilisant des roues abrasives en caoutchouc et une éprouvette rotative

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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.

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).

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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 third edition cancels and replaces the second edition (ISO 7784-2:2016), which has been technically revised.

The main changes are as follows:

— Figures 1 and 2 have been updated;

— some measures in 5.1.4, 5.2 and in the note to 5.3 have been updated;

— the text has been editorially revised and the normative references have been updated.

A list of all parts in the ISO 7784 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.

Introduction

This document is one of the three parts of ISO 7784 dealing with test methods for the determination of the resistance to abrasion of coatings using abrasive wheels. The characteristics and differences of these methods are summarized in Table 1.

Table 1 — Types of method

Standard	Abrasive wheel		Test specimen movement
	Type	Degree of freedom	
ISO 7784-1	Abrasive paper on rubber wheel	Freely rotatable	Rotation
ISO 7784-2	Abrasive rubber wheel		
ISO 7784-3	Abrasive paper on metal wheel	Rigid – with stroke-dependent rotation[a]	Linear reciprocation

[a] A mechanism rotates the abrasive wheel by a small angle after each double stroke so that a new area of the abrasive paper is effective.

It is preferable that the methods using abrasive-paper covered wheels (in ISO 7784-1 and ISO 7784-3) are applied.