SLOVENSKI STANDARD
SIST EN ISO 20567-1:2017

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Nadomešča:

SIST EN ISO 20567-1:2007

Barve in laki - Ugotavljanje odpornosti premazov proti udarcem kamenja - 1. del: Preskus z več udarci (ISO 20567-1:2017)

Paints and varnishes - Determination of stone-chip resistance of coatings - Part 1: Multi-impact testing (ISO 20567-1:2017)

Beschichtungsstoffe - Prüfung der Steinschlagfestigkeit von Beschichtungen - Teil 1: Multischlagprüfung (ISO 20567-1:2017)

Peintures et vernis - Détermination de la résistance des revêtements aux impacts de cailloux - Partie 1: Essais de chocs multiples (ISO 20567-1:2017)

Ta slovenski standard je istoveten z: EN ISO 20567-1:2017

ICS:

87.040	Barve in laki	Paints and varnishes

SIST EN ISO 20567-1:2017 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 20567-1

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Supersedes EN ISO 20567-1:2006

English Version

Paints and varnishes - Determination of stone-chip resistance of coatings - Part 1: Multi-impact testing (ISO 20567-1:2017)

Peintures et vernis - Détermination de la résistance des revêtements aux impacts de cailloux - Partie 1: Essais de chocs multiples (ISO 20567-1:2017)

Beschichtungsstoffe - Prüfung der Steinschlagfestigkeit von Beschichtungen - Teil 1: Multischlagprüfung (ISO 20567-1:2017)

This European Standard was approved by CEN on 5 November 2016.

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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.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 20567-1:2017) 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of an identical text or by endorsement, at the latest by August 2017 and conflicting national standards shall be withdrawn at the latest by August 2017.

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.

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Endorsement notice

The text of ISO 20567-1:2017 has been approved by CEN as EN ISO 20567-1:2017 without any modification.

INTERNATIONAL STANDARD

ISO 20567-1

Second edition
2017-01

Paints and varnishes — Determination of stone-chip resistance of coatings —

Part 1: Multi-impact testing

Peintures et vernis — Détermination de la résistance des revêtements aux impacts de cailloux —
Partie 1: Essais de chocs multiples

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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is 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 20567-1:2005), which has been technically revised with the following main changes:

— a table with the particle size distribution of the grit material has been added;

— a note concerning the use of actual pressure gages has been added to Figure 2;

— the clause on sampling has been deleted;

— the description of suitable methods for removal of loose paint have been transferred to an informative annex as examples and, for the method using adhesive tape, the adhesive strength of the tape is no longer specified;

— this document is revised editorially and the normative references have been updated.

A list of all parts in the ISO 20567 series can be found on the ISO website.

Introduction

In the automobile industry, multi-layer paint coatings are applied to car bodies for protection. Grit, road-metal and other materials can damage these coatings in such a way that individual layers come off or the whole coating delaminates from the substrate.

Stone chipping can be simulated by means of single- and/or multi-impact tests. ISO 20567-1 describes multi-impact testing; ISO 20567-2 and ISO 20567-3 describe single-impact tests.

NOTE A recommended procedure for calibration of the apparatus is given in Annex B. Note that this annex is informative because the method described in it is not the only one suitable for checking whether a uniform impact pattern is produced.