



**SLOVENSKI STANDARD
SIST EN ISO 20567-2:2023**

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**Barve in laki - Ugotavljanje odpornosti premazov proti udarcem kamenja - 2. del:
Preskus z enim udarcem vodenega telesa (ISO 20567-2:2023)**

Paints and varnishes - Determination of stone-chip resistance of coatings - Part 2:
Single-impact test with a guided impact body (ISO 20567-2:2023)

Beschichtungsstoffe - Prüfung der Steinschlagfestigkeit von Beschichtungen - Teil 2:
Einzelschlagprüfung mit geführtem Schlagkörper (ISO 20567-2:2023)

Peintures et vernis - Détermination de la résistance des revêtements aux impacts de
cailloux - Partie 2: Essai de choc simple par corps percutant guidé (ISO 20567-2:2023)

Ta slovenski standard je istoveten z: EN ISO 20567-2:2023

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Barve in laki

Paints and varnishes

SIST EN ISO 20567-2:2023

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Paints and varnishes - Determination of stone-chip resistance of coatings - Part 2: Single-impact test with a guided impact body (ISO 20567-2:2023)

Peintures et vernis - Détermination de la résistance des revêtements aux impacts de cailloux - Partie 2: Essai de choc simple par corps percutant guidé (ISO 20567-2:2023)

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This European Standard was approved by CEN on 5 May 2023.

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 CEN-CENELEC Management Centre or to any CEN member.

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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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 20567-2:2023) 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 January 2024, and conflicting national standards shall be withdrawn at the latest by January 2024.

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 20567-2:2017.

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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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 20567-2:2023 has been approved by CEN as EN ISO 20567-2:2023 without any modification.

INTERNATIONAL
STANDARD

ISO
20567-2

Third edition
2023-06

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

**Part 2:
Single-impact test with a guided
impact body**

*Peintures et vernis — Détermination de la résistance des revêtements
aux impacts de cailloux —
Partie 2: Essai de choc simple par corps percutant guidé*

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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 document 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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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 20567-2:2017), which has been technically revised.

The main changes are as follows:

- [A.4](#) has been re-worded so that the use of a knife or similar instrument can be carried out without using another method beforehand;
- in [B.3](#), the requirement on how often the instrument shall be calibrated has been deleted;
- the normative references have been updated.

A list of all parts in the ISO 20567 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

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, while this document and ISO 20567-3 describe single-impact tests.

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