

STN	Stomatológia Vodou tuhnúce cementy Časť 1: Cementy na báze kyseliny (ISO 9917-1: 2025)	STN EN ISO 9917-1 85 6335
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Dentistry - Water-based cements - Part 1: Acid-base cements (ISO 9917-1:2025)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/25

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EUROPEAN STANDARD

EN ISO 9917-1

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EUROPÄISCHE NORM

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Supersedes EN ISO 9917-1:2007

English Version

Dentistry - Water-based cements - Part 1: Acid-base cements (ISO 9917-1:2025)

Médecine bucco-dentaire - Ciments à base d'eau -
Partie 1: Ciments acido-basiques (ISO 9917-1:2025)

Zahnheilkunde - Wasserhärtende Zemente - Teil 1:
Zemente, die beim Vermischen von Pulver und
Flüssigkeit über eine Säure-Base-Reaktion abbinden
(ISO 9917-1:2025)

This European Standard was approved by CEN on 11 May 2025.

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EN ISO 9917-1:2025 (E)

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European foreword

This document (EN ISO 9917-1:2025) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" 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of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.

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.

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Endorsement notice

The text of ISO 9917-1:2025 has been approved by CEN as EN ISO 9917-1:2025 without any modification.



International Standard

ISO 9917-1

Dentistry — Water-based cements —

Part 1: Acid-base cements

*Médecine bucco-dentaire — Ciments à base d'eau —
Partie 1: Ciments acido-basiques*

**Third edition
2025-05**

ISO 9917-1:2025(en)



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ISO 9917-1:2025(en)**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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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 9917-1:2007), which has been technically revised.

The main changes are as follows:

- change of the title;
- inclusion of pit and fissure sealing cements in the scope;
- adoption of ISO 13116 test method for radiopacity;
- adoption of table-type formatting of requirements of marking and information;
- addition of declaration of components;
- addition of Annex I.

A list of all parts of the ISO 9917 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.

ISO 9917-1:2025(en)**Introduction**

This document specifies the requirements and test methods for cements in which setting is achieved by an acid-base reaction.

This document does not include specific qualitative and quantitative requirements for ensuring the absence of biological hazards. It is recommended that reference be made to ISO 10993-1 and ISO 7405 when assessing possible biological or toxicological hazards.

Dentistry — Water-based cements —

Part 1: Acid-base cements

1 Scope

This document specifies requirements and test methods for acid-base, dental cements intended for permanent cementation, lining and restoration. This document is not intended to address resin-modified water-based cements. This document is applicable to both hand-mixed and encapsulated cements for mechanical mixing. This document specifies limits for each of the properties according to whether the cement is intended for use as a luting agent, base or liner, restorative material or pit and fissure sealing cement.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1942, *Dentistry — Vocabulary*

ISO 2590, *General method for the determination of arsenic — Silver diethyldithiocarbamate photometric method*¹⁾

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 7491, *Dental materials — Determination of colour stability*

ISO 8601-1, *Date and time — Representations for information interchange — Part 1: Basic rules*

ISO 13116, *Dentistry — Test method for determining radio-opacity of materials*

ISO 15223-1, *Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements*

ISO 20417, *Medical devices — Information to be supplied by the manufacturer*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

1) Withdrawn.