

<b>STN</b>	<b>Stomatológia</b> <b>Vodou tuhnúce cementy</b> <b>Časť 1: Cementy na báze kyseliny</b> <b>(ISO 9917-1: 2025, opravená verzia 2025-10)</b>	<b>STN</b> <b>EN ISO 9917-1</b>  85 6335
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Dentistry - Water-based cements - Part 1: Acid-base cements (ISO 9917-1:2025, Corrected version 2025-10)

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. 02/26

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Oznámením tejto normy sa ruší  
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EUROPEAN STANDARD

EN ISO 9917-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2025

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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, Corrected version 2025-10)

Médecine bucco-dentaire - Ciments à base d'eau -  
Partie 1: Ciments acido-basiques (ISO 9917-1:2025,  
Version corrigée 2025-10)

Zahnheilkunde - Wasserhärtende Zemente - Teil 1:  
Zemente, die über eine Säure-Base-Reaktion abbinden  
(ISO 9917-1:2025, korrigierte Fassung 2025-10)

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

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 22 October 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**EN ISO 9917-1:2025 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **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of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.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.

This document supersedes EN ISO 9917-1:2007.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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 9917-1:2025, Corrected version 2025-10 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**

**Corrected version  
2025-10**

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## ISO 9917-1:2025(en)

## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Classification</b> .....	<b>2</b>
4.1 Chemical type.....	2
4.2 Application.....	2
<b>5 Material</b> .....	<b>3</b>
5.1 General.....	3
5.2 Components.....	3
5.2.1 Liquid.....	3
5.2.2 Powder.....	3
5.3 Unset cement.....	3
<b>6 Preparation of test specimens</b> .....	<b>3</b>
6.1 Ambient conditions.....	3
6.2 Method of mixing.....	3
<b>7 Sampling</b> .....	<b>3</b>
7.1 Hand-mixed cements.....	3
7.2 Encapsulated cements.....	3
<b>8 Requirements</b> .....	<b>4</b>
8.1 General.....	4
8.2 Net setting time (except pit and fissure sealing cements).....	4
8.3 Film thickness (luting cements only).....	4
8.4 Compressive strength.....	4
8.5 Acid erosion.....	4
8.6 Optical properties (polyalkenoate restorative cements only).....	4
8.7 Acid-soluble arsenic and lead contents.....	4
8.7.1 Acid-soluble arsenic content.....	4
8.7.2 Acid-soluble lead content.....	4
8.8 Radiopacity (if claimed).....	4
8.9 Net setting time (pit and fissure sealing cements only).....	5
<b>9 Packaging, marking, labelling and information to be supplied by manufacturer</b> .....	<b>5</b>
9.1 General.....	5
9.2 Packaging.....	5
9.3 Declaration of components.....	8
<b>Annex A (normative) Determination of net setting time (except for pit and fissure sealing cements)</b> .....	<b>9</b>
<b>Annex B (informative) Chemical composition and applications of dental cements</b> .....	<b>11</b>
<b>Annex C (normative) Determination of film thickness (luting cements only)</b> .....	<b>12</b>
<b>Annex D (normative) Determination of compressive strength</b> .....	<b>15</b>
<b>Annex E (normative) Determination of acid erosion</b> .....	<b>18</b>
<b>Annex F (normative) Determination of optical properties (polyalkenoate restorative cements only)</b> .....	<b>21</b>
<b>Annex G (normative) Determination of acid-soluble arsenic and lead contents</b> .....	<b>24</b>
<b>Annex H (normative) Determination of radiopacity (if claimed)</b> .....	<b>25</b>
<b>Annex I (normative) Determination of net setting time (pit and fissure sealing cements only)</b> .....	<b>27</b>

**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](http://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](http://www.iso.org/members.html).

This corrected version of ISO 9917-1:2024 incorporates the following correction:

- the formula in [Clause D.3](#) has been corrected.

**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*<sup>1)</sup>

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**

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1) Withdrawn.