



SLOVENSKI STANDARD SIST EN ISO 9917-2:2017

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Nadomešča:
SIST EN ISO 9917-2:2010

**Zobozdravstvo - Cementi na vodni osnovi - 2. del: Cementi z vsebnostjo smole
(ISO 9917-2:2017)**

Dentistry - Water-based cements - Part 2: Resin-modified cements (ISO 9917-2:2017)

Zahnheilkunde - Wasserhärtende Zemente - Teil 2: Kunststoffmodifizierte Zemente (ISO 9917-2:2017)

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Médecine bucco-dentaire - Ciments à base d'eau - Partie 2: Ciments modifiés par addition de résine (ISO 9917-2:2017)

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11.060.10 Zobotehnični materiali Dental materials

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EUROPEAN STANDARD

EN ISO 9917-2

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Dentistry - Water-based cements - Part 2: Resin-modified cements (ISO 9917-2:2017)

Médecine bucco-dentaire - Ciments à base d'eau -
Partie 2: Ciments modifiés par addition de résine (ISO
9917-2:2017)

Zahnheilkunde - Wasserhärtende Zemente - Teil 2:
Kunststoffmodifizierte Zemente (ISO 9917-2:2017)

This European Standard was approved by CEN on 1 July 2017.

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COMITÉ EUROPÉEN DE NORMALISATION
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Contents	Page
European foreword.....	3

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[SIST EN ISO 9917-2:2017](https://standards.iteh.ai/catalog/standards/sist/8e15d846-7717-4a6f-be86-0e7ad39a42ac/sist-en-iso-9917-2-2017)
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European foreword

This document (EN ISO 9917-2:2017) 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of an identical text or by endorsement, at the latest by March 2018 and conflicting national standards shall be withdrawn at the latest by March 2018.

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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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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
9917-2

Third edition
2017-09

**Dentistry — Water-based cements —
Part 2:
Resin-modified cements**

*Médecine bucco-dentaire — Ciments à base d'eau —
Partie 2: Ciments modifiés par addition de résine*

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification and applications	2
4.1 Classification.....	2
4.2 Applications.....	2
5 Requirements	3
5.1 Materials.....	3
5.2 Working time.....	3
5.3 Setting time — Class 1 and Class 3 materials only.....	3
5.4 Film thickness — Luting materials only (see 4.2).....	3
5.5 Flexural strength.....	3
5.6 Radio-opacity.....	3
5.7 Shade and colour stability — Restorative materials only.....	3
6 Sampling	3
7 Test conditions and preparation of test specimens	4
7.1 Test conditions.....	4
7.2 Method of mixing.....	4
7.3 Inspection.....	4
8 Packaging, marking and information to be supplied by the manufacturer	4
8.1 Packaging.....	4
8.2 Marking and instructions for use.....	5
Annex A (normative) Determination of working time and setting time	8
Annex B (normative) Determination of film thickness — Luting materials only	10
Annex C (normative) Determination of flexural strength	12
Annex D (normative) Determination of radio-opacity	17
Annex E (normative) Determination of shade and colour stability — Restorative (except for tooth core build-up) and luting materials only	19
Bibliography	21

ISO 9917-2:2017(E)

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 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 the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*.

<https://standards.iteh.ai/catalog/standards/sist/8e15d846-7717-4a6f-be86-7749bd7e0109/iso-9917-2-2017>

This third edition cancels and replaces the second edition (ISO 9917-2:2010), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the adoption of ISO 13116 as the measuring procedure of the test method for radio-opacity;
- the inclusion of tooth core build-up as a restoration in the scope;
- the adoption of other minor technical revisions in the test methods.

A list of all parts of the ISO 9917 series can be found on the ISO website.

Introduction

This document has been prepared in order to present the requirements and test methods for cements in which setting is achieved by a combination of an acid-base reaction and polymerization. The polymerization component of the reaction may be activated by mixing different components or through application of energy from an external source. As far as possible, test methods employed within this document have been harmonized with those used in ISO 4049 and ISO 9917-1.

No specific qualitative and quantitative requirements for ensuring the absence of biological hazard are included in this document, but it is recommended that reference be made to ISO 10993-1 and ISO 7405 when assessing possible biological or toxicological hazards.

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