



SLOVENSKI STANDARD
SIST EN ISO 9917-2:2010

01-junij-2010

Nadomešča:

SIST EN ISO 9917-2:2000

**Zobozdravstvo - Cementi na vodni osnovi - 2. del: Cementi z vsebnostjo smole
(ISO 9917-2:2010)**

Dentistry - Water-based cements - Part 2: Resin-modified cements (ISO 9917-2:2010)

Zahnheilkunde - Wasserhärtende Zemente - Teil 2: Kunststoffmodifizierte Zemente (ISO 9917-2:2010)

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Art dentaire - Ciments dentaires hydrauliques - Partie 2: Ciments modifiés résineux (ISO 9917-2:2010)

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Ta slovenski standard je istoveten z: EN ISO 9917-2:2010

ICS:

11.060.10 Zobotehnični materiali Dental materials

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EUROPEAN STANDARD

EN ISO 9917-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2010

ICS 11.060.10

Supersedes EN ISO 9917-2:1999

English Version

Dentistry - Water-based cements - Part 2: Resin-modified cements (ISO 9917-2:2010)

Médecine bucco-dentaire - Ciments à base d'eau - Partie 2:
Ciments modifiés par addition de résine (ISO 9917-2:2010)

Zahnheilkunde - Wasserhärtende Zemente - Teil 2:
Kunststoffmodifizierte Zemente (ISO 9917-2:2010)

This European Standard was approved by CEN on 15 March 2010.

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Foreword

This document (EN ISO 9917-2:2010) 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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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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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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
9917-2

Second edition
2010-04-15

**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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Reference number
ISO 9917-2:2010(E)

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Published in Switzerland

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ISO 9917-2:2010(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 9917-2 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*.

This second edition cancels and replaces the first edition (ISO 9917-2:1998), which has been technically revised by the inclusion of resin-modified cements which set by both chemically activated and light-activated polymerization.

ISO 9917 consists of the following parts, under the general title *Dentistry — Water-based cements*:

— *Part 1: Powder/liquid acid-base cements*

— *Part 2: Resin-modified cements*

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Introduction

This part of ISO 9917 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 part of ISO 9917 have been harmonized with those used in ISO 4049 and ISO 9917-1.

Specific qualitative and quantitative requirements for freedom from biological hazard are not included in this part of ISO 9917, 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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