



# SLOVENSKI STANDARD SIST EN ISO 6873:2013

01-september-2013

Nadomešča:  
SIST EN ISO 6873:2000

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## Zobozdravstvo - Mavčni izdelki (ISO 6873:2013)

Dentistry - Gypsum products (ISO 6873:2013)

Zahnheilkunde - Gipse (ISO 6873:2013)

Médecine bucco-dentaire - Produits à base de gypse (ISO 6873:2013)

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Ta slovenski standard je istoveten z: **EN ISO 6873:2013**

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### ICS:

11.060.10	Zobotehnični materiali	Dental materials
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 6873**

April 2013

ICS 11.060.10

Supersedes EN ISO 6873:2000

English Version

**Dentistry - Gypsum products (ISO 6873:2013)**

Médecine bucco-dentaire - Produits à base de gypse (ISO 6873:2013)

Zahnheilkunde - Gipse (ISO 6873:2013)

This European Standard was approved by CEN on 21 March 2013.

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CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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## Contents

Page

Foreword.....	3
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[SIST EN ISO 6873:2013](https://standards.iteh.ai/catalog/standards/sist/59b55f7b-d601-4fac-bca8-69a8a43ae841/sist-en-iso-6873-2013)

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## Foreword

This document (EN ISO 6873:2013) 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of an identical text or by endorsement, at the latest by October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

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.

This document supersedes EN ISO 6873:2000.

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

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The text of ISO 6873:2013 has been approved by CEN as EN ISO 6873:2013 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
6873**

Third edition  
2013-04-01

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## Dentistry — Gypsum products

*Médecine bucco-dentaire — Produits à base de gypse*

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# Contents

	Page
Foreword .....	iv
Introduction .....	v
<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>1</b>
<b>5 Requirements</b> .....	<b>2</b>
5.1 Quality .....	2
5.2 Fluidity at pouring time (Type 1 materials only) .....	2
5.3 Setting time .....	2
5.4 Linear setting expansion .....	2
5.5 Fracture (Type 1 materials only) .....	2
5.6 Compressive strength .....	2
5.7 Reproduction of detail .....	2
<b>6 Testing — Generalities</b> .....	<b>3</b>
6.1 Sampling .....	3
6.2 Test conditions .....	3
6.3 Mixing method .....	3
<b>7 Test methods</b> .....	<b>3</b>
7.1 Visual inspection .....	3
7.2 Fluidity at pouring time for Type 1 materials .....	3
7.3 Setting time .....	4
7.4 Linear setting expansion .....	7
7.5 Fracture .....	12
7.6 Compressive strength .....	12
7.7 Reproduction of detail .....	13
<b>8 Packaging, marking and information to be supplied by the manufacturer</b> .....	<b>18</b>
8.1 Packaging .....	18
8.2 Labelling .....	18
8.3 Instructions for use .....	19

## ISO 6873:2013(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.

Specific qualitative and quantitative requirements for freedom from biological hazard are not included in this International Standard but it is recommended that, in assessing possible biological hazards, reference should be made to ISO 10993-1 and ISO 7405.

ISO 6873 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthodontic materials*.

This third edition cancels and replaces the second edition (ISO 6873:1998) of which [Clause 4](#) and subclauses [5.4](#) and [8.2](#) have been technically revised. An alternative design for the extensometer used to measure setting expansion is included. [SIST EN ISO 6873:2013](#)

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## Introduction

This revision was necessary because gypsum products have been marketed since the last edition of ISO 6873 was published, which have properties (required for newly introduced dental technology) for which the requirements set in that edition were not appropriate. In this edition the classification has been altered to take this into account and in so doing, requirements have been set appropriately. In addition there was concern that Type 4 dental stone used for CAD/CAM models should not produce significant setting expansion at times beyond the 2 h period at which setting expansion was measured and a requirement had been set. In this edition the setting expansion for Type 4 dental stone is measured at 24 h as well.

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