



SLOVENSKI STANDARD SIST EN ISO 7490:2001

01-november-2001

Nadomešča:
SIST EN 27490:2000

Dental gypsum-bonded casting investments (ISO 7490:2000)

Dental gypsum-bonded casting investments (ISO 7490:2000)

Dentale gipsgebundene Einbettmassen (ISO 7490:2000)

Revetements a couler dentaires a liant-plâtre (ISO 7490:2000)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: EN ISO 7490:2000

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>

ICS:

11.060.10 Zobotehnični materiali Dental materials

SIST EN ISO 7490:2001

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 7490:2001

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 7490

December 2000

ICS 01.006.10

Supersedes EN 27490:1991

English version

Dental gypsum-bonded casting investments (ISO 7490:2000)

Revêtements à couler dentaires à liant-plâtre (ISO
7490:2000)

Dentale gipsgebundene Einbettmassen (ISO 7490:2000)

This European Standard was approved by CEN on 15 December 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

(standards.iteh.ai)

SIST EN ISO 7490:2001

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Page 2
EN ISO 7490:2000

Foreword

The text of the International Standard ISO 7490:2000 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 supersedes EN 27490:1991.

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 June 2001, and conflicting national standards shall be withdrawn at the latest by June 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 7490:2000 was approved by CEN as a European Standard without any modification.

SIST EN ISO 7490:2001

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>

INTERNATIONAL STANDARD

**ISO
7490**

Second edition
2000-12-15

Dental gypsum-bonded casting investments

Revêtements à couler dentaires à liant-plâtre

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 7490:2001](https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001)

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>



Reference number
ISO 7490:2000(E)

© ISO 2000

ISO 7490:2000(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 7490:2001

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Term and definition	1
3 Classification.....	1
4 Requirements	1
4.1 Appearance of powder	1
4.2 Fluidity at working time	1
4.3 Setting time	1
4.4 Compressive strength	2
4.5 Linear setting expansion	2
4.6 Linear thermal expansion	2
5 Sampling, test conditions and mixing	2
5.1 Sampling.....	2
5.2 Test conditions	2
5.3 Mixing.....	2
6 Test methods.....	3
6.1 Visual examination	3
6.2 Fluidity at work time	3
6.3 Setting time	3
6.4 Compressive strength	5
6.5 Linear setting expansion	6
6.6 Linear thermal expansion	6
7 Manufacturer's instructions.....	8
8 Packaging	8
8.1 Packaging	8
8.2 Mould lining.....	8
9 Marking	8

ISO 7490:2000(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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 7490 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

This second edition cancels and replaces the first edition (ISO 7490:1990), which has been technically revised.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 7490:2001

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>

Introduction

The original name of this International Standard was “Dental gypsum-bonded casting investment for gold alloys”. In this revision the limitation to gold alloys has been removed and the title has been changed to reflect this.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 7490:2001](https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001)

<https://standards.iteh.ai/catalog/standards/sist/296929e8-a143-4c8b-95c9-0a4899a19a46/sist-en-iso-7490-2001>