

Dentistry — Polymer-based crown and bridge materials

The European Standard EN ISO 10477:1996, with the incorporation of amendment A1:2000, has the status of a British Standard

ICS 11.060.10

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Health Care Standards Policy Committee (HCC/-) to Technical Committee HCC/51, upon which the following bodies were represented:

- Association of Dental Hospitals of the United Kingdom
- British Ceramic Research Ltd.
- British Dental Association
- British Dental Trade Association
- British Institute of Surgical Technologists
- British Society for Restorative Dentistry
- British Society for the Study of Orthodontics
- British Society for the Study of Prosthetic Dentistry
- British Society of Periodontology
- Dental Laboratories Association Limited
- Dental Materials Panel
- Department of Health
- Gypsum Products Development Association
- Institute of Physics
- Ministry of Defence
- Orthodontic Technicians' Association
- Plastics and Rubber Institute
- Royal Society of Medicine
- Society of University Dental Instructors

This British Standard, having been prepared under the direction of the Health Care Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 April 1993

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The following BSI references relate to the work on this standard:
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National foreword

This British Standard has been prepared under the direction of the Health Care Standards Policy Committee and is identical with ISO 10477:1992 *Dentistry — Polymer-based crown and bridge materials*, including amendment A1:1998, prepared by Technical Committee 106, Dentistry, of the International Organization for Standardization (ISO).

In 1996 the European Committee for Standardization (CEN) accepted ISO 10477:1992 as European Standard EN ISO 10477:1996. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN ISO 10477:1996 and any reference to BS 7651:1993 should be read as a reference to BS EN ISO 10477:1996.

The introduction to ISO 10477:1992 reads as follows:

“Specific qualitative and quantitative requirements for freedom from biological hazards are not included in this International Standard but it is recommended that, in assessing possible biological or toxicological hazards, reference should be made to ISO/TR 7405:1984, *Biological evaluation of dental materials*, or any more recent edition.

Although this International Standard does not require manufacturer's to declare details of the composition, attention is drawn to the fact that some national or international authorities require details to be provided to them.”

In the UK it is common practice to assess the biological hazards of dental materials using BS 5828:1989 *Methods for biological assessment of dental materials*.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

The Technical Committee has reviewed the provisions of ISO 6507-2:1983, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related British Standard to ISO 6507-2:1983 is BS 5600-4.6:1987 *Power metallurgical materials and products — Part 4: Methods of testing and chemical analysis of hard metals — Section 4.6: Vickers hardness test*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 13 and a back cover.

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English version

Dentistry — Polymer based crown and bridge materials

(includes amendment A1:2000)

(ISO 10477:1992 + A1:1998)

Art dentaire — Produits à base de polymère
pour couronnes et ponts
(inclut l'amendement A1:2000)
(ISO 10477:1992 + A1:1998)

Zahnheilkunde — Kronen- und
Brückenkunststoffe
(enthält Änderung A1:2000)
(ISO 10477:1992 + A1:1998)

This European Standard was approved by CEN on 1996-01-28. Amendment A1 was approved by CEN on 2000-04-17. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

The text of the International Standard from Technical Committee ISO/TC 106, Dentistry, of the International Organization for Standardization (ISO) has been taken over as a European Standard by the 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 September 1996, and conflicting national standards shall be withdrawn at the latest by September 1996.

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

Foreword to amendment A1

The text of this amendment EN 10477:1996/A1:2000 to the EN 10477:1996 from Technical Committee ISO/TC 106, Dentistry, of the International Organization for Standardization (ISO) has been taken over as an amendment to the European Standard by Technical Committee CEN/TC 55, Dentistry, the Secretariat of which is held by DIN.

This amendment to the European Standard EN ISO 10477:1996 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2000, and conflicting national standards shall be withdrawn at the latest by November 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.