

Specification for

Resin-based dental filling materials (class B)

The European Standard EN 24049:1993 has the status of a
British Standard

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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/53, upon which the following bodies were represented:

- Association of Dental Hospitals of the United Kingdom
- British Dental Association
- British Dental Trade Association
- British Endodontic Society
- British Society for Restorative Dentistry
- British Society for the Study of Orthodontics
- Dental Materials Panel
- Department of Health
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Department of Trade and Industry (National Physical Laboratory)
- Ministry of Defence
- 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 Board of BSI and comes into effect on 31 October 1989

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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Introduction	3
1 Scope	3
2 Normative references	3
3 Classification	4
4 Requirements	4
5 Sampling	4
6 Preparation of test specimens	4
7 Test methods	5
8 Packaging and marking information to be supplied by the manufacturer	13
Figure 1 — Apparatus for determination of working and setting times	6
Figure 2 — Typical recording trace showing temperature changes with time for determination of working and setting times	7
Figure 3 — Internal transmittance for colour conversion filter	8
Figure 4 — Mould (7.8.1.1) for flexural strength testing	10
Figure 5 — Mould (7.9.1.1) for water sorption and solubility test	11
Publications referred to	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Health Care Standards Policy Committee and is identical with ISO 4049:1988, “*Dentistry — Resin-based filling materials*”, prepared by Technical Committee 106, Dentistry, of the International Organization for Standardization (ISO).

In 1993 the European Committee for Standardization (CEN) accepted ISO 4049:1988 plus Technical Corrigendum 1:1992 as European Standard EN 24049:1993.

This revision of BS 5199 supersedes BS 5199:1975 which is withdrawn. All the significant changes introduced are listed in the “Introduction”.

Cross-references

International Standard	Corresponding British Standard
ISO 7491:1985	BS 6790:1987 <i>Method for determination of colour stability of dental polymeric materials</i> (Identical)
ISO 8601:1988	BS 7151:1989 <i>Specification for representation of dates and times in information interchange</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 3665 to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. There is no corresponding British Standard for ISO/TR 7405, to which reference is made in the “Introduction” and clause 2 for information only. 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*”.

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 title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Dentistry — Resin-based filling materials

(includes amendments A1:1993 + A2:1994)
(ISO 4049:1988)

Art dentaire — Produits d'obturation à base
de résines synthétiques
(inclut les amendements A1:1993 + A2:1994)
(ISO 4049:1988)

Zahnheilkunde — Füllungswerkstoffe aus
Kunststoff
(enthält Änderungen A1:1993 + A2:1994)
(ISO 4049:1988)

This European Standard was approved by CEN on 1992-07-27. 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

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Foreword

This European Standard has been taken over by the CEN/TC 55 “*Dentistry*” from work of ISO/TC 106 “*Dentistry*” of the International Organisation for Standardization (ISO).

In the countries bound to implement this European Standard a national standard identical to this European Standard shall be published at the latest by 1993-02-28 and conflicting national standards shall be withdrawn at the latest by 1993-02-28.

According to the CEN/CENELEC Common Rules, 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 and United Kingdom.

Foreword to Amendment A2

This European Standard is the endorsement of ISO 4049:1988 and its Technical Corrigendum 1:1992. Endorsement of ISO 4049 and its Technical Corrigendum 1 was recommended by Technical Committee CEN/TC 55 “*Dentistry*” under whose competence this European Standard will henceforth fall.

This European Standard supersedes EN 24049:1992. 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 April 1994, and conflicting national standards shall be withdrawn at the latest by April 1994.

The standard was approved and in accordance with the CEN/CENELEC Internal Regulations, 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.