

Specification for

Dental resin-based pit and fissure sealants

The European Standard EN 26874:1992 has the status of a
British Standard

UDC 615.461-036.6:616.314:620.1

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
- 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
- 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 August 1989

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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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 6874:1988 “*Dental resin-based pit and fissure sealants*”, prepared within Technical Committee 106 “Dentistry”, of the International Organization for Standardization (ISO), with the active participation of the UK.

In 1992 the European Committee for Standardization (CEN) accepted ISO 6874:1988 as European Standard EN 26874:1992. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 26874 and any reference to BS 7180 should be read as a reference to BS EN 26874.

ISO 6874 included an introduction as follows.

“Introduction

The efficacy of pit and fissure sealant materials for the prevention of dental caries is now widely accepted. The resin-based materials harden by free radical polymerization and protect teeth from the formation of caries in the pits and fissures.

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

Cross-references

International Standard	Corresponding British Standard
ISO 7491:1985	BS 6790:1987 <i>Determination of colour stability of dental polymeric materials</i> (Identical)

After the publication of ISO 6874, ISO 2014 was withdrawn and replaced by ISO 8601:1988 “*Data elements and interchange formats — Information interchange — Representation of dates and times*”. A new British Standard, identical with ISO 8601:1988 is expected to be published, at which time the related standard BS 5249-1 will be withdrawn.

The Technical Committee has reviewed the provisions of ISO/TR 7405, to which reference is made in the Introduction quoted above and has decided that they are acceptable for use in conjunction with this British Standard.

ISO/TR 7405 is related to BS 5828:1980 “*Methods of biological assessment of dental materials*”.

Textual error. In subclause 7.5.1, the apparatus is incorrectly referred to as a), b), c) and d). These should be read as 7.5.1.1, 7.5.1.2, 7.5.1.3 and 7.5.1.4 respectively (see 7.5.2).

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 8, 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.

UDC 615.461-036.6:616.314:620.1

Descriptors: Dentistry, dental materials, resins, classifications, specifications, physical properties, tests, packing, marking

English version

Dental resin-based pit and fissure sealants

(ISO 6874:1988)

Produits dentaires à base de résine pour
combler les puits et fissures
(ISO 6874:1988)

Zahnheilkunde — Versiegelungskunststoffe für
Fissuren
(ISO 6874:1988)

This European Standard was approved by CEN on 1992-08-10. 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.

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CEN

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