

Specification for

Coatings for loaded printed wire boards (conformal coatings) —

Part 2: Methods of test

The European Standard EN 61086-2:1994 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 to Technical Committee CIL/15, Insulating materials, upon which the following bodies were represented:

- British Ceramic Research Ltd.
- British Industrial Ceramic Manufacturers' Association
- British Telecommunications plc
- Department of Trade and Industry (National Measurement Accreditation Service)
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- Electricity Association
- Federation of Electronics Industry
- Ministry of Defence
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Transmission and Distribution Association (BEAMA Ltd.)

The following body was also represented in the drafting of the standard, through subcommittees and panels:

- Adhesive Tape Manufacturers' Association

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 March 1995

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The following BSI references relate to the work on this standard:
Committee reference CIL/15
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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 Electrotechnical Sector Board and is the English language version of EN 61086-2:1994 *Specification for coatings for loaded printed wire boards (conformal coatings) — Part 2: Methods of test*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 1086-2:1992, published by the International Electrotechnical Commission (IEC).

BS EN 61086-1 and BS EN 61086-2 partially supersede BS 5917:1980. BS EN 61086-3-1 is currently in preparation. When BS EN 61086-3-1 is published, BS 5917:1980 will be superseded and will be withdrawn.

Cross-references

Publication referred to	Corresponding British Standard
	BS 2011 <i>Environmental testing</i>
HD 323.2.3 S2:1987 (IEC 68-2-3:1969)	Part 2.1Ca:1977 <i>Test Ca. Damp heat, steady state</i>
HD 323.2.10 S3:1988 (IEC 68-2-10:1988)	Part 2.1J:1989 <i>Test J and guidance. Mould growth</i>
HD 323.2.14 S2:1987 (IEC 68-2-14:1984)	Part 2.1N:1985 <i>Test N. Change of temperature</i>
HD 323.2.39 S1:1988 (IEC 68-2-39:1976)	Part 2.1Z/AMD:1977 <i>Test Z/AMD. Combined sequential cold, low air pressure and damp heat test</i>
HD 323.2.52 S1:1987 (IEC 68-2-52:1984)	Part 2.1Kb:1987 <i>Test Kb. Salt mist, cyclic (sodium chloride solution)</i>
HD 559.1 S1:1991	BS 2918 <i>Methods of test for electric strength of solid insulating materials</i>
	Part 1:1994 <i>Tests at power frequencies</i>
EN 60249-2-5:1994 (IEC 249-2-5:1987)	BS EN 60249 <i>Base materials for printed circuits</i>
	Part 2 <i>Specifications</i>
	Specification No. 5:1994 <i>Epoxide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)</i>
EN 61086-1:1994 (IEC 1086-1:1992)	BS EN 61086 <i>Specification for coatings for loaded printed wire boards (conformal coatings)</i>
	Part 1:1995 <i>Definitions, classification and general requirements</i>
IEC 464-2:1974	BS 5629 <i>Insulating varnishes containing solvent</i>
	Part 2:1979 <i>Test methods</i>
ISO 1519:1973	BS 3900 <i>Methods of test for paints</i>
	Group E <i>Mechanical tests on paint films</i>
	Part E1:1970 <i>Bend test (cylindrical mandrel)</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, 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.

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Descriptors: Printed circuit cards, printed circuit boards, wiring, protective coatings, tests

English version

Specification for coatings for loaded printed wire boards
(conformal coatings)
Part 2: Methods of test

(IEC 1086-2:1992)

Spécification pour les revêtements appliqués
sur les cartes de câblage imprimées et dotées de
composants conventionnels (revêtements
enrobants)
Partie 2: Méthodes d'essai
(CEI 1086-2:1992)

Bestimmung für Beschichtungen für bestückte
Leiterplatten (conformal coatings)
Teil 2: Prüfverfahren
(IEC 1086-2:1992)

This European Standard was approved by CENELEC on 1994-03-08. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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

CENELEC

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

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Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1086-2:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as a European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61086-2 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-15
- latest date of withdrawal of conflicting national standards (dow) 1995-03-15

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given only for information. In this standard, Annex A is informative and Annex ZA is normative.

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