
Prevleke za z elementi opremljene tiskane plošče (standardne prevleke) – 3-1. del: Specifikacije za različne materiale – Prevleke za splošne namene (razred 1), visoko zanesljivost (razred 2) in letalstvo (razred 3) (IEC 61086-3-1:2004)

Coatings for loaded printed wire boards (conformal coatings) – Part 3-1: Specifications for individual materials – Coatings for general purpose (Class 1), high reliability (Class 2) and aerospace (Class 3) (IEC 61086-3-1:2004)

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English version

**Coatings for loaded printed wire boards
(conformal coatings)
Part 3-1: Specifications for individual materials -
Coatings for general purpose (Class 1),
high reliability (Class 2) and aerospace (Class 3)
(IEC 61086-3-1:2004)**

Revêtements appliqués
sur les cartes de câblage imprimées
(revêtements enrobants)

Partie 3-1: Spécifications
pour matériaux particuliers -
Revêtements à usage général (Classe 1),
pour hautes performances (Classe 2)
et pour l'aérospatiale (Classe 3)
(CEI 61086-3-1:2004)

Beschichtungen für bestückte
Leiterplatten (conformal coatings)

Teil 3-1: Bestimmungen
für einzelne Werkstoffe -
Beschichtungen
für allgemeine Zwecke (Klasse I),
für hohe Zuverlässigkeit (Klasse II)
und für die Luftfahrt (Klasse III)
(IEC 61086-3-1:2004)

This European Standard was approved by CENELEC on 2004-03-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 15C/1545/FDIS, future edition 2 of IEC 61086-3-1, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61086-3-1 on 2004-03-01.

This European Standard supersedes EN 61086-3-1:1995.

This edition includes the following significant technical changes from EN 61086-3-1:1995:

- a) requirements for cleaning have been added;
- b) new properties based on modifications to EN 61086-2 have been added;
- c) a Class 3 material for aerospace applications has been included.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-03-01

Annex ZA has been added by CENELEC.

[SIST EN 61086-3-1:2004](https://standards.iteh.ai/catalog/standards/sist/da0286a0-084a-4ec3-8048-eb2a3097515/iec-61086-3-1-2004)

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Endorsement notice

The text of the International Standard IEC 61086-3-1:2004 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61086-1	- ¹⁾	Coatings for loaded printed wire boards (conformal coatings) Part 1: Definitions, classification and general requirements	EN 61086-1	2004 ²⁾
IEC 61086-2	- ¹⁾	Part 2: Methods of test	EN 61086-2	2004 ²⁾

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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NORME
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CEI
IEC

61086-3-1

Deuxième édition
Second edition
2004-02

**Revêtements appliqués sur les cartes
de câblage imprimées (revêtements enrobants) –**

**Partie 3-1:
Spécifications pour matériaux particuliers –
Revêtements à usage général (Classe 1),
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[SIST EN 61086-3-1:2004](https://standards.iteh.ai/catalog/standards/sist/da0286a0-084a-4ec3-8048-c6130975af533ec161086-3-1-2004)

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**Coatings for loaded printed wire boards
(conformal coatings) –**

**Part 3-1:
Specifications for individual materials –
Coatings for general purpose (Class 1),
high reliability (Class 2) and aerospace (Class 3)**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**COATINGS FOR LOADED PRINTED WIRE BOARDS
(CONFORMAL COATINGS) –****Part 3-1: Specifications for individual materials –
Coatings for general purpose (Class 1), high reliability (Class 2)
and aerospace (Class 3)**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61086-3-1 has been prepared by subcommittee 15C: Specifications, of IEC technical committee 15: Insulating materials.

This second edition cancels and replaces the first edition, published in 1995, and constitutes a technical revision.

This edition includes the following significant technical changes from the previous edition:

- a) requirements for cleaning have been added;
- b) new properties based on modifications to IEC 61086-2 have been added;
- c) a Class 3 material for aerospace applications has been included.

The text of this standard is based on the following documents:

FDIS	Report on voting
15C/1545/FDIS	15C/1563/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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