

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)**

The European Standard EN 61086-3-1:2004 has the status of a
British Standard

ICS 29.035.20

National foreword

This British Standard is the official English language version of EN 61086-3-1:2004. It is identical with IEC 61086-3-1:2004. It supersedes BS EN 61086-3-1:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/15, Insulating material, to Subcommittee GEL/15/3, Material specifications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 10, a blank page and a back cover.

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Amendments issued since publication

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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)
(IEC 61086-3-1:2004)**

Revêtements appliqués
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(revêtements enrobants)
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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:

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|--|-------|------------|
| – 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.

Endorsement notice

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

INTRODUCTION

This International Standard forms part of a series under the general title *Coatings for loaded printed wire boards (conformal coatings)*

The series consists of three parts:

- Part 1: Definitions, classification and general requirements (IEC 61086-1)
- Part 2: Methods of tests (IEC 61086-2)
- Part 3: Specifications for individual materials (IEC 61086-3)