BS EN IEC 61249-2-46:2018

BSI Standards Publication

Materials for printed boards and other interconnecting structures

Part 2-46: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1.5W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-46:2018)

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National foreword

This British Standard is the UK implementation of EN IEC 61249-2-46:2018. It is identical to IEC 61249-2-46:2018.

The UK participation in its preparation was entrusted to Technical Committee EPL/501, Electronic Assembly Technology.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61249-2-46

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English Version

Materials for printed boards and other interconnecting structures - Part 2-46: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1.5W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-46:2018)

Matériaux pour circuits imprimés et autres structures d'interconnexion - Partie 2-46 : Matériaux de base renforcés, plaqués et non plaqués - Feuilles stratifiées renforcées en verre de type E tissé/non tissé époxyde non halogéné, plaquées cuivre de conductivité thermique (1,5W/m m•K) et d'inflammabilité définie (essai de combustion verticale) pour les assemblages sans plomb (IEC 61249-2-46:2018)

Materialien für Leiterplatten und andere Verbindungsstrukturen - Teil 2-46: Kaschierte und unkaschierte verstärkte Basismaterialien - Kupferkaschierte, mit E-Glaswirrfaser im Kernbereich und E-Glasgewebe in den Außenlagen verstärkte Laminattafeln auf der Basis von halogenfreiem Epoxidharz mit Wärmeleitfähigkeit (1,5 W/m•K) und definierter Brennbarkeit (vertikale Prüflingslage) für bleifreie Bestückungstechnik (IEC 61249-2-46:2018)

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European foreword

The text of document 91/1448/CDV, future edition 1 of IEC 61249-2-46, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61249-2-46:2018.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2018-11-14
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2021-02-14

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

ISO 9000	NOTE	Harmonized as EN ISO 9000.
ISO 14001	NOTE	Harmonized as EN ISO 14001.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61189-2	2006	Test methods for electrical materials, printed boards and other interconnection structures and assemblies -- Part 2: Test methods for materials for interconnection structures	EN 61189-2	2006
IEC 61249-5-1	-	Materials for interconnection structures - Part 5: Sectional specification set for conductive foils and films with or without coatings - Section 1: Copper foils (for the manufacture of copper-clad base materials)	EN 61249-5-1	-
IEC/PAS 61249-6-3	-	Specification for finished fabric woven from "E" glass for printed boards	-	-
ISO 11014	-	Safety data sheet for chemical products - Content and order of sections	-	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MATERIALS FOR PRINTED BOARDS AND OTHER INTERCONNECTING STRUCTURES –

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International Standard IEC 61249-2-46 has been prepared by IEC technical committee 91: Electronics assembly technology.

The text of this International Standard is based on the following documents:

CDV	Report on voting
91/1448/CDV	91/1484/RVC

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

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

A list of all parts of the IEC 61249 series, under the general title *Materials for printed boards and other interconnecting structures*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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

A bilingual version of this publication may be issued at a later date.

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