



SLOVENSKI STANDARD

SIST EN IEC 61249-2-45:2018

01-oktober-2018

Materiali za plošče tiskanih vezij in druge povezovalne strukture - 2-45. del: Pokovinjeni in nepokovinjeni ojačeni osnovni materiali - Z bakrom pokovinjeni laminat s toplotno prevodnostjo (1,0 W/m K) in z določeno gorljivostjo (navpični preskus gorljivosti), s površino z netkanim/tkanim E-steklom za sestavljanje brez svinca

Materials for printed boards and other interconnecting structures - Part 2-45: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity ≤ 1.0 W/m K and defined flammability (vertical burning test), copper-clad for lead-free assembly

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ICS:

31.180 Tiskana vezja (TIV) in tiskane Printed circuits and boards plošče

SIST EN IEC 61249-2-45:2018

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EUROPEAN STANDARD

EN IEC 61249-2-45

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 31.180

English Version

Materials for printed boards and other interconnecting structures
 - Part 2-45: Reinforced base materials clad and unclad - Non-
 halogenated epoxide non-woven/woven E-glass reinforced
 laminate sheets of thermal conductivity (1.0W/m K) and defined
 flammability (vertical burning test), copper-clad for lead-free
 assembly
 (IEC 61249-2-45:2018)

Matériaux pour circuits imprimés et autres structures
 d'interconnexion - Partie 2-45 : 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
 (1,0W/m m•K) et d'inflammabilité définie (essai de
 combustion verticale) pour les assemblages sans plomb
 (IEC 61249-2-45:2018)

Materialien für Leiterplatten und andere
 Verbindungsstrukturen - Teil 2-45: 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 (1,0 W/m•K) und definierter Brennbarkeit
 (vertikale Prüflingslage) für bleifreie Bestückungstechnik
 (IEC 61249-2-45:2018)

SIST EN IEC 61249-2-45:2018

This European Standard was approved by CENELEC on 2018-02-14. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61249-2-45:2018 (E)**European foreword**

The text of document 91/1447/CDV, future edition 1 of IEC 61249-2-45, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61249-2-45:2018.

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

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61249-2-45:2018 was approved by CENELEC as a European Standard without any modification.

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 STANDARD

**Materials for printed boards and other interconnecting structures –
Part 2-45: Reinforced base materials clad and unclad – Non-halogenated
epoxide non-woven/woven E-glass reinforced laminate sheets of thermal
conductivity 1,0 W/(m•K) and defined flammability (vertical burning test),
copper-clad for lead-free assembly**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MATERIALS FOR PRINTED BOARDS AND OTHER
INTERCONNECTING STRUCTURES –**

**Part 2-45: Reinforced base materials clad and unclad – Non-halogenated
epoxide non-woven/woven E-glass reinforced laminate sheets of
thermal conductivity 1,0 W/(m•K) and defined flammability
(vertical burning test), copper-clad for lead-free assembly**

FOREWORD

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International Standard IEC 61249-2-45 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
91/1447/CDV	91/1483/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.

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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