

SLOVENSKI STANDARD
SIST EN 60249-2-19:1997/A1:1997
01-avgust-1997

**Base materials for printed circuits - Part 2: Specifications - Specification No.19:
Thin bismaleimide/triazine modified epoxide woven glass fabric cooper-clad
laminated sheet of defined flammability for use in the fabrication of multilayer
printed boards - Amendment A1 (IEC 249-2-19:1992/A1:1993)**

Base materials for printed circuits -- Part 2: Specifications -- Specification No. 19: Thin bismaleimide/triazine modified epoxide woven glass fabric copper-clad laminated sheet of defined flammability for use in the fabrication of multilayer printed boards

iTeh STANDARD PREVIEW

Basismaterialien für gedruckte Schaltungen -- Teil 2: Einzelbestimmungen -- Einzelbestimmung Nr. 19: Dünne kupferkaschierte mit Bismaleinimid/Triazin modifizierte Epoxid-Glashartgewebetafeln definierter Brennbarkeit zur Herstellung gedruckter Mehrlagenleiterplatten

<https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-e8c84825efd2/sist-en-60249-2-19-1997-a1-1997>

Matériaux de base pour circuits imprimés -- Partie 2: Spécifications -- Spécification n° 19: Feuille de stratifié mince en tissu de verre époxyde avec bismaléimide/triazine recouverte de cuivre, d'inflammabilité définie, destinée à la fabrication de cartes imprimées multicouches

Ta slovenski standard je istoveten z: EN 60249-2-19:1993/A1:1994

ICS:

| | | |
|-----------|--|--|
| 13.220.40 | Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju | Ignitability and burning behaviour of materials and products |
| 31.180 | Tiskana vezja (TIV) in tiskane plošče | Printed circuits and boards |

SIST EN 60249-2-19:1997/A1:1997 **en**

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SIST EN 60249-2-19:1997/A1:1997

<https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-e8c84825efd2/sist-en-60249-2-19-1997-a1-1997>

EUROPEAN STANDARD

EN 60249-2-19/A1

NORME EUROPEENNE

EUROPÄISCHE NORM

March 1994

UDC 621.3.049.75:678.686-419:620.1

Descriptors: Printed circuits, base materials, laminated sheet, woven glass fabric, bismaleimide/triazine, multilayer

Amendment A1 to the English version of EN 60249-2-19

Base materials for printed circuits
Part 2: Specifications
Specification No. 19: Thin bismaleimide/triazine modified epoxide woven glass fabric copper-clad laminated sheet of defined flammability for use in the fabrication of multilayer printed boards
(IEC 249-2-19:1992/A1:1993)

| | |
|--|---|
| Matériaux de base pour circuits imprimés | Basismaterialien für gedruckte Schaltungen |
| Partie 2: Spécifications | Teil 2: Einzelbestimmungen |
| Spécification no. 19: Feuille de stratifié mince en tissu de verre époxyde avec bismaléimide/triazine recouverte de cuivre, d'inflammabilité définie destinée à la fabrication des cartes imprimées multicouches | Einzelbestimmung Nr. 19: Dünne kupferkaschierte mit Bismaleinimid/Triazin modifizierte Epoxid-Glashartgewebetafeln definierter Brennbarkeit zur Herstellung gedruckter Mehrlagenleiterplatten |
| (CEI 249-2-19:1992/A1:1993) | (IEC 249-2-19:1992/A1:1993) |

This amendment A1 modifies the European Standard EN 60249-2-19:1993. It was approved by CENELEC on 1994-01-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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

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

FOREWORD

At the request of the 76th Technical Board of CENELEC, amendment 1:1993 to the International Standard IEC 249-2-19:1992 was submitted to the CENELEC members for formal vote.

The text of the International Standard was approved by CENELEC as amendment A1 to EN 60249-2-19 on 8 January 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

ENDORSEMENT NOTICE

The text of amendment 1:1993 to the International Standard IEC 249-2-19:1992 was approved by CENELEC as an amendment to the European Standard without any modification.

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[SIST EN 60249-2-19:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-e8c84825efd2/sist-en-60249-2-19-1997-a1-1997)

<https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-e8c84825efd2/sist-en-60249-2-19-1997-a1-1997>



NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
249-2-19

1992

AMENDEMENT 1
AMENDMENT 1

1993-05

Amendement 1

Matériaux de base pour circuits imprimés

Partie 2: Spécifications

Spécification n° 19: Feuille de stratifié mince
en tissu de verre époxyde avec

bismaléimide/triazine recouverte de cuivre,
d'inflammabilité définie, destinée à la

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Amendment 1

Base materials for printed circuits

Part 2: Specifications

Specification No. 19: Thin bismaleimide/triazine
modified epoxide woven glass fabric copper-clad
laminated sheet of defined flammability for use
in the fabrication of multilayer printed boards

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

B

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For price, see current catalogue

FOREWORD

This amendment has been prepared by IEC technical committee No. 52: Printed circuits.

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

| DIS | Reports on Voting |
|-----------|-------------------|
| 52(CO)378 | 52(CO)387 |
| 52(CO)380 | 52(CO)389 |
| 52(CO)391 | 52(CO)395 |

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

Page 15

Table III, column 1

Delete "1,1,1 – trichloroethane" and replace "Solvents other than trichloroethane" by "Solvents as agreed upon between purchaser and supplier".

Column 3:

[SIST EN 60249-2-19:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-7211997a11997)

<https://standards.iteh.ai/catalog/standards/sist/6d14e9f7-195b-48a0-9058-7211997a11997>

Delete the sentence "As agreed upon between purchaser and supplier".

Page 19

6.6 *Solderability*

Delete the title and text of this subclause.

Page 27

8 **Packaging and marking**

Delete the second paragraph:

"As the product is of defined flammability, the marking on the label shall be in red".