



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61249-2-1:2005

ICS 31.180

**MATERIALS FOR PRINTED BOARDS AND
OTHER INTERCONNECTING STRUCTURES
PART 2-1: REINFORCED BASE MATERIALS,
CLAD AND UNCLAD-PHENOLIC CELLULOSE
PAPER REINFORCED LAMINATED SHEETS,
ECONOMIC GRADED, COPPER CLAD (IEC
6124*-2-1:2005)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 61249-2-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2005

ICS 31.180

English version

Materials for printed boards and other interconnecting structures
Part 2-1: Reinforced base materials, clad and unclad –
Phenolic cellulose paper reinforced laminated sheets,
economic grade, copper clad
(IEC 61249-2-1:2005)

Matériaux pour circuits imprimés
et autres structures d'interconnexion
Partie 2-1: Matériaux de base renforcés,
plaqués et non plaqués –
Feuilles stratifiées renforcées de papier
cellulose phénolique, de qualité
économique, plaquées cuivre
(CEI 61249-2-1:2005)

Materialien für Leiterplatten
und andere Verbindungsstrukturen
Teil 2-1: Kaschierte und unkaschierte
verstärkte Basismaterialien –
Kupferkaschierte Phenolharz-
Hartpapiertafeln wirtschaftlicher Qualität
(IEC 61249-2-1:2005)

This European Standard was approved by CENELEC on 2005-02-01. 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 91/493/FDIS, future edition 1 of IEC 61249-2-1, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61249-2-1 on 2005-02-01.

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) | 2005-11-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-02-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61249-2-1:2005 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 60194	1999	Printed board design, manufacture and assembly - Terms and definitions	-	-
IEC 61189-2	1997	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 + corr. August	1997 1997
IEC 61249-5-1	1995	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	1996
ISO 9000	2000	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	2000
ISO 11014-1	1994	Safety data sheet for chemical products Part 1: Content and order of sections	-	-
ISO 14001	1996	Environmental management systems Specification with guidance for use	EN ISO 14001	1996

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