
Varnishes used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Hot curing impregnating varnishes (IEC 60464-3-2:2001)

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EUROPEAN STANDARD

EN 60464-3-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2001

ICS 29.035.01

English version

Varnishes used for electrical insulation
Part 3: Specifications for individual materials
Sheet 2: Hot curing impregnating varnishes
(IEC 60464-3-2:2001)

Vernis utilisés comme isolant électrique
Partie 3: Spécifications pour matériaux
particuliers
Feuille 2: Vernis d'imprégnation durcissant
à chaud
(CEI 60464-3-2:2001)

Elektroisolierlacke
Teil 3: Bestimmungen für einzelne
Materialien
Blatt 2: Heißhärtende Tränklacke
(IEC 60464-3-2:2001)

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This European Standard was approved by CENELEC on 2001-09-01. 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, Czech Republic, 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

The text of document 15C/1222/FDIS, future edition 2 of IEC 60464-3-2, 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 60464-3-2 on 2001-09-01.

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) 2002-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-09-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60464-3-2:2001 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When 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 60172	1987	Test procedure for the determination of the temperature index of enamelled winding wires	EN 60172	1994
IEC 60317-8	1990	Specifications for particular types of winding wires Part 8: Polyesterimide enamelled round copper wire, class 180	EN 60317-8	1994
IEC 60317-13	1990	Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200	EN 60317-13	1994
IEC 60464-1	1998	Varnishes used for electrical insulation Part 1: Definitions and general requirements	EN 60464-1	1999
IEC 60464-2	2001	Part 2: Methods of test	EN 60464-2	2001
IEC 61033	1991	Test methods for the determination of bond strength of impregnating agents to an enamelled wire substrate	-	-

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60464-3-2

Deuxième édition
Second edition
2001-07

Vernis utilisés pour l'isolation électrique –

Partie 3:

Spécifications pour matériaux particuliers –

**Feuille 2: Vernis d'imprégnation durcissant
à chaud**

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Varnishes used for electrical insulation –

SIST EN 60464-3-2:2002

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Part 3:

Specifications for individual materials –

Sheet 2: Hot curing impregnating varnishes

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VARNISHES USED FOR ELECTRICAL INSULATION –

Part 3: Specifications for individual materials –
Sheet 2: Hot curing impregnating varnishes

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60464-3-2 has been prepared by subcommittee 15C: Specifications, of IEC technical committee 15: Insulating materials.

This second edition cancels and replaces the first edition published in 1989.

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

FDIS	Report on voting
15C/1222/FDIS	15C/1251/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3. The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

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

INTRODUCTION

This part of IEC 60464 is one of a series which deals with varnishes used for electrical insulation. The series consists of three parts:

Part 1: Definitions and general requirements (IEC 60464-1);

Part 2: Methods of test (IEC 60464-2);

Part 3: Specifications for individual materials (IEC 60464-3).

This standard consists of one of the sheets comprising part 3 as follows:

Sheet 2: Hot curing impregnating varnishes.

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