
Laki za električno izolacijo – 1. del: Definicije in splošne zahteve (IEC 60464-1:1998/A1:2006)

Varnishes used for electrical insulation -- Part 1: Definitions and general requirements (IEC 60464-1:1998/A1:2006)

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[SIST EN 60464-1:2001/A1:2006](https://standards.iteh.ai/catalog/standards/sist/62a120e3-612d-427d-86dd-3c9acd97edc0/sist-en-60464-1-2001-a1-2006)
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Varnishes used for electrical insulation
Part 1: Definitions and general requirements
(IEC 60464-1:1998/A1:2006)

Vernis utilisés pour l'isolation électrique
Partie 1: Définitions et prescriptions
générales
(CEI 60464-1:1998/A1:2006)

Elektroisolierlacke
Teil 1: Begriffe und allgemeine
Anforderungen
(IEC 60464-1:1998/A1:2006)

This amendment A1 modifies the European Standard EN 60464-1:1999; it was approved by CENELEC on 2006-02-01. 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.

<https://standards.iteh.ai/catalog/standards/sist/62a120e3-612d-427d-86dd-10aac04e6881/en-60464-1:2006/a1:2006>

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.

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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 15/252/FDIS, future amendment 1 to IEC 60464-1:1998, prepared by IEC TC 15, Electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60464-1:1999 on 2006-02-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-02-01

Endorsement notice

The text of amendment 1:2006 to the International Standard IEC 60464-1:1998 was approved by CENELEC as an amendment to the European Standard without any modification.

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INTERNATIONAL STANDARD

IEC 60464-1

1998

AMENDMENT 1
2006-01

Amendment 1

Varnishes used for electrical insulation –

**Part 1:
Definitions and general requirements**

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SIST EN 60464-1:2001/A1:2006

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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FOREWORD

This amendment has been prepared by IEC technical committee 15: Electrical insulating materials.

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

FDIS	Report on voting
15/252/FDIS	15/279/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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1 Scope

Delete the second sentence which reads "All varnishes contain solvent."

3 Designation

Insert, after Table 2 and before the paragraph that commences "The code letters associated ... " the following new paragraph and new Table 3:

The designation letter of the varnish type shall follow the resin type letter in brackets

Table 3 – Varnish types

Type	Code letter
Organic solvent based	S
Water based	W
Emulsion	E

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4 Definitions

Replace the title of Clause 4 as follows:

4 Terms and definitions

4.1 Varnish

Replace the existing first two sentences as follows:

A solution or emulsion of one or more resins in a solvent or carrier liquid. Other components may be present, such as driers, catalysts, reactive diluents, dyestuffs, pigments or co-solvents.

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Add the following new definitions:

4.14 Emulsion

stable, colloidal mixture of two immiscible liquids

4.15 Co-solvent

solvent, usually a polar or hydrophilic liquid, used in small concentrations to bridge between the polymeric resin and the main solvent (usually water) and facilitate emulsification

4.16 Volatile organic compound content

mass of organic material lost from a water or emulsion based varnish during the drying/curing process, expressed in relation to the mass of the resin of the varnish
