

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



**Varnishes used for electrical insulation –
Part 1: Definitions and general requirements**

**Vernis utilisés pour l'isolation électrique –
Partie 1: Définitions et prescriptions générales**

Preview

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VARNISHES USED FOR ELECTRICAL INSULATION –

Part 1: Definitions and general requirements

FOREWORD

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This Consolidated version of IEC 60464-1 bears the edition number 2.1. It consists of the second edition (1998) [documents 15C/989/FDIS and 15C/1007/RVD] and its amendment 1 (2006) [documents 15/252/FDIS and 15/279/RVD]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through. A separate Final version with all changes accepted is available in this publication.

This publication has been prepared for user convenience.

International Standard IEC 60464-1 has been prepared by subcommittee 15C: Specifications, of IEC technical committee 15: Insulating materials.

The French version of amendment 1 has not been voted upon.

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability 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

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INTRODUCTION

This International Standard 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)

Copyright
Preview

VARNISHES USED FOR ELECTRICAL INSULATION –

Part 1: Definitions and general requirements

1 Scope

This part of IEC 60464 relates to varnishes used for electrical insulation. ~~All varnishes contain solvent.~~ The varnishes may be used for finishing or impregnating applications, and may be dried or dried and cured at ambient or elevated temperatures.

2 Normative references

The following normative documents contain provisions which, through reference in the text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

IEC 60464-3-1,— *Varnishes used for electrical insulation – Part 3: Specifications for individual materials – Sheet 1: Ambient curing finishing varnishes*¹⁾

IEC 60464-3-2,— *Varnishes used for electrical insulation – Part 3: Specifications for individual materials – Sheet 2: Hot curing impregnating varnishes*¹⁾

ISO 472:1988, *Plastics – Vocabulary*

ISO 1043-1:1997, *Plastics – Symbols and abbreviated terms – Part 1: Basic polymers and their characteristics*

3 Designation

The commonly used applications are as shown in table 1.

Table 1 – Application methods

Application	Code letters
Finishing varnish	FV
Impregnating varnish	IV

The code letters associated with the application may be used as an abbreviation of the application description. Further applications and associated code letters may be added if so required.

¹⁾ To be published.

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