
Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 3: Specifications for rigid mica materials for heating equipment (IEC 60371-3-3:1983)

Specification for insulating materials based on mica -- Part 3: Specifications for individual materials -- Sheet 3: Specification for rigid mica materials for heating equipment

Bestimmung für Glimmerzeugnisse für elektrotechnische Zwecke -- Teil 3: Bestimmungen für einzelne Materialien -- Blatt 3: Heizmikanit

Spécification pour les matériaux isolants à base de mica -- Partie 3: Spécifications pour matériaux particuliers -- Feuille 3: Matériaux rigides de mica pour appareils de chauffage

Ta slovenski standard je istoveten z: EN 60371-3-3:1995

ICS:

29.035.50 Materiali na podlagi sljude Mica based materials

SIST EN 60371-3-3:1998**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60371-3-3

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Descriptors: Specifications, insulating materials, insulating materials based on mica, rigid mica materials for heating equipment

English version

Specification for insulating materials based on mica
Part 3: Specifications for individual materials
Sheet 3: Specification for rigid mica materials for heating equipment
(IEC 371-3-3:1983)

Spécification pour les matériaux isolants
à base de mica
Partie 3: Spécifications pour matériaux
particuliers
Feuille 3: Matériaux rigides de mica pour
appareils de chauffage
(CEI 371-3-3:1983)

Bestimmung für Glimmererzeugnisse für
elektrotechnische Zwecke
Teil 3: Bestimmungen für einzelne
Materialien
Blatt 3: Heizmikanit
(IEC 371-3-3:1983)

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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.

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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 the International Standard IEC 371-3-3:1983, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was approved by CENELEC as HD 352.3.3 S1 on 1984-12-13.

This Harmonization Document was submitted to the formal vote for conversion into a European Standard and was approved by CENELEC as EN 60371-3-3 on 1995-05-15.

The following date was 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) 1996-07-01

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 371-3-3:1983 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 371-2 | 1973 | Specification for insulating materials based on mica Part 2: Methods of test | HD 352.2 S1 | 1978 |

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Spécification pour les matériaux isolants à base de mica

Troisième partie: Spécifications pour matériaux particuliers

Feuille 3: Matériaux rigides de mica pour appareils de chauffage

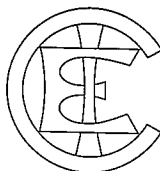
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Specification for insulating materials based on mica

Part 3: Specifications for individual materials

Sheet 3: Specification for rigid mica materials for heating equipment



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA

Part 3: Specifications for individual materials

Sheet 3: Specification for rigid mica materials for heating equipment

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendations and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

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PREFACE

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This standard has been prepared by Sub-Committee 15C: Specifications, of IEC Technical Committee No. 15: Insulating Materials.

A first draft was discussed at the meeting held in Madrid in 1980. As a result of this meeting, a draft Document 15C(Central Office)135, was submitted to the National Committees for approval under the Six Months' Rule in May 1981.

The National Committees of the following countries voted explicitly in favour of publication:

| | |
|----------------------------|---------------------|
| Argentina | Israel |
| Austria | Italy |
| Belgium | Japan |
| Canada | Norway |
| Czechoslovakia | Poland |
| Denmark | Romania |
| Egypt | Spain |
| Finland | Switzerland |
| German Democratic Republic | Union of Soviet |
| Germany | Socialist Republics |
| Ireland | Yugoslavia |

Other IEC publication quoted in this standard:

Publication No. 371-2: Specification for Insulating Materials Based on Mica, Part 2: Methods of Test.

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA

Part 3: Specifications for individual materials

Sheet 3: Specification for rigid mica materials for heating equipment

INTRODUCTION

This standard is one of a series which deals with insulating material for use in electrical equipment built up from mica splittings or mica paper.

The series consists of the three following parts:

Part 1: Definitions and General Requirements.

Part 2: Methods of Test.

Part 3: Specifications for Individual Materials.

1. Scope

This sheet of the standard gives requirements for several types of rigid mica materials based on mica splittings or mica paper for application in electrical heating equipment.

These products may be made from muscovite or phlogopite mica with a suitable bonding medium.

The binder may be totally driven off in service, giving a material which needs to be supported, or may remain totally or partially, giving a self-supporting material; in this case, the binder shall have the necessary resistance to the operating temperature.

The products may be supplied in sheets, strips or flat pieces. The minimum nominal thickness is 0.30 mm (mica splittings) and 0.20 mm (mica paper).

2. General requirements

The material as supplied shall be of uniform hardness, free from soft patches and foreign matter.

The grade and visual characteristics of the splittings, as well as the nature of the mica paper and the bonding medium, shall be agreed between supplier and purchaser.

3. Detection of defects and conducting particles in sheets

Until a method of detection of defects has been agreed for IEC Publication 371-2: Specification for Insulating Materials based on Mica, Part 2: Methods of Test, the accepted type and number of defects is subject to agreement between supplier and purchaser.