



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60371-2:2004

ICS 17.220.99

29.035.50

**SPECIFICATION FOR INSULATING
MATERIALS BASED ON MICA PART 2:
METHODS OF TEST (IEC 60371-2:2004)**

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EUROPEAN STANDARD

EN 60371-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

ICS 17.220.99; 29.035.50

Supersedes EN 60371-2:1997

English version

Specification for insulating materials based on mica
Part 2: Methods of test
(IEC 60371-2:2004)

Spécification pour les matériaux isolants
à base de mica
Partie 2: Méthodes d'essais
(CEI 60371-2:2004)

Bestimmung für Isoliermaterialien
aus Glimmer
Teil 2: Prüfverfahren
(IEC 60371-2:2004)

This European Standard was approved by CENELEC on 2004-09-01. 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, 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

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Foreword

The text of document 15C/1610/FDIS, future edition 3 of IEC 60371-2, 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 60371-2 on 2004-09-01.

This European Standard supersedes EN 60371-2:1997.

The main changes with respect to EN 60371-2:1997 are as follows:

a) All clauses re-numbered.

b) Relevant template of ISO 67 has been added to this standard as Annex A.

c) Clause 8: Tensile strength and elongation at break

Procedure modified to give "rate of movement" instead of "time limit". Different rate of movement for raw mica as opposed to reinforced and/or impregnated mica.

d) Clause 11: Stiffness

Size of test specimen revised. wording modified so that standard covers materials using carriers other than woven glass cloth and materials that are 3-ply. Revision of terms "machine direction" and "transverse direction".

e) Clause 13: Elastic compression and plastic compression

Tolerance on measurement of height of stack changed to within 0,01 mm.
Times for change in pressure in procedure changed to 1 min.

f) Clause 16: Electric strength

Modified in line with Amendment 1:1994 to IEC 60371-2:1987 (included in EN 60371-2:1997).
Changes relate to latest edition of EN 60243-1.

g) Clause 19: Detection of defects and conductive particles

Revised subclause.

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) | 2005-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2007-09-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60371-2:2004 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 60216 | Series | Electrical insulating materials - Thermal endurance properties | EN 60216 | Series |
| IEC 60243-1 | 1998 | Electrical strength of insulating materials - Test methods Part 1: Tests at power frequencies | EN 60243-1 | 1998 |
| IEC 60250 | 1969 | Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths | - | - |
| IEC 60371-3 | Series | Specifications for insulating materials based on mica Part 3: Specifications for individual materials | EN 60371-3 | Series |
| ISO 178 | - 1) | Plastics - Determination of flexural properties | EN ISO 178 | 2003 2) |

1) Undated reference.

2) Valid edition at date of issue.

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