

**SLOVENSKI
STANDARD**

SIST EN 60641-3-1:1998

prva izdaja
junij 1998

Specification for pressboard and presspaper for electrical purposes - Part 3:
Specifications for individual materials - Sheet 1: Requirements for pressboard B. 0.
1, B. 2. 1, B. 2. 3, B. 3. 1, B. 3. 3, B. 4. 1, B. 4. 3, B. 5. 1, B. 6. 1 and B. 7. 1 (IEC
60641-3-1:1992)

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ICS 29.035.10

Referenčna številka
SIST EN 60641-3-1:1998(en)

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UDC 621.315.6

Descriptors: Presspaper, mouldable, calendered, precompressed,
designation, requirement

ENGLISH VERSION

Specification for pressboard and presspaper for
electrical purposes

Part 3: Specifications for individual materials

Sheet 1: Requirements for pressboard, types B.0.1,

B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1,

B.6.1 and B.7.1

(IEC 641-3-1:1992)

Spécifications pour le carton
comprimé et le papier comprimé à
usages électriques

Partie 3: Spécifications pour
matériaux particuliers

Feuille 1: Prescriptions pour
carton comprimé, types B.0.1,

B.2.1, B.2.3, B.3.1, B.3.3,

B.4.1, B.4.3, B.5.1, B.6.1 et

B.7.1

(CEI 641-3-1:1992)

Spezifikation für

Preßspan und

Preßpapier für

elektrische Zwecke

Teil 3: Bestimmungen für

einzelne Werkstoffe

Blatt 1: Anforderungen für

Tafelpreßspan, Typen

B.0.1, B.2.1, B.2.3, B.3.1,

B.3.3., B.4.1., B.4.3, B.5.1,

B.6.1 und B.7.1

(IEC 641-3-1:1992)

SIST EN 60641-3-1:1992

<https://standards.iteh.ai/catalog/standards/sist-en-60641-3-1-1992/85-b1a1-d4be3ecc4d13/sist-en-60641-3-1-1998>

This European Standard was approved by CENELEC on 1994-03-08.

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, 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 CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 641-3-1:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60641-3-1 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-15
- latest date of withdrawal of conflicting national standards (dow) 1995-03-15

For products which have complied with the relevant national standard before 1995-03-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-03-15.

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

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ENDORSEMENT NOTICE

The text of the International Standard IEC 641-3-1:1992 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT 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.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
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641-1	1979	Specification for pressboard and presspaper for electrical purposes Part 1: Definitions and general requirements	HD 410.1 S1	1981
641-2	1979	Part 2: Methods of test	HD 410.2 S1	1981

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
641-3-1

Première édition
First edition
1992-04

**Spécification pour le carton comprimé
et le papier comprimé à usages électriques**

Partie 3:

Spécifications pour matériaux particuliers –

Feuille 1: Prescriptions pour carton comprimé,
types B.0.1, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3,
B.5.1, B.6.1 et B.7.1

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**Specification for pressboard and presspaper
for electrical purposes**

Part 3:

Specifications for individual materials –

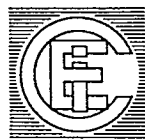
Sheet 1: Requirements for pressboard,
types B.0.1, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3,
B.5.1, B.6.1 and B.7.1

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR PRESSBOARD AND PRESSPAPER
FOR ELECTRICAL PURPOSES

Part 3: Specifications for individual materials

Sheet 1: Requirements for pressboard, types B.0.1, B.2.1,
B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1, B.6.1 and B.7.1

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 recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

This International Standard has been prepared by Sub-Committee 15C: Specifications, of IEC Technical Committee No. 15: Insulating materials.

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

DIS	Report on Voting
15C(CO)284	15C(CO)296

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

INTRODUCTION

This International Standard is one of a series which deals with solid pressboard and presspaper, dyed or natural coloured, having a calendered or non-calendered or precompressed finish and supplied in an unimpregnated condition.

The series consists of three parts:

- Part 1: Definitions and general requirements (IEC 641-1).
- Part 2: Methods of test (IEC 641-2).
- Part 3: Specifications for individual materials (IEC 641-3).

This standard contains one of the sheets comprising Part 3, as follows:

Sheet 1: Requirements for pressboard, types B.0.1, B.2.1, B.2.3, B.3.3, B.4.1, B.4.3, B.5.1, B.6.1 and B.7.1.

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SPECIFICATION FOR PRESSBOARD AND PRESSPAPER FOR ELECTRICAL PURPOSES

Part 3: Specifications for individual materials

Sheet 1: Requirements for pressboard, types B.0.1, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1, B.6.1 and B.7.1

1 Scope

This International Standard gives the requirements for pressboard for electrical purposes comprised of 100 % sulphate wood pulp or a mixture of sulphate wood pulp and cotton.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and 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. Members of IEC and ISO maintain registers of currently valid International Standards.

[SIST EN 60641-3-1:1998](https://standards.iteh.ai/catalog/standards/sist/2032629d-1d07-4a85-b1a1-d4be3e3c4d13/sist-en-60641-3-1-1998)

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[d4be3e3c4d13/sist-en-60641-3-1-1998](https://standards.iteh.ai/catalog/standards/sist/2032629d-1d07-4a85-b1a1-d4be3e3c4d13/sist-en-60641-3-1-1998)

IEC 641-1: 1979, *Specification for pressboard and presspaper for electrical purposes – Part 1: Definitions and general requirements.*

IEC 641-2: 1979, *Specification for pressboard and presspaper for electrical purposes – Part 2: Methods of test.*

3 Designation (according to IEC 641-1)

Type	Composition	Description	Table
B.0.1	100 % sulphate wood pulp	Calendered pressboard of particularly high chemical purity	1
B.2.1 B.2.3	100 % sulphate wood pulp Mixture of sulphate wood pulp and cotton	Calendered pressboard characterized by high chemical purity	2
B.3.1 B.3.3	100 % sulphate wood pulp Mixture of sulphate wood pulp and cotton	Precompressed pressboard, a very hard and rigid board, characterized by high purity and mechanical strength. Its surface bears a cloth mark.	3
B.4.1 B.4.3	100 % sulphate wood pulp Mixture of sulphate wood pulp and cotton	Soft calendered pressboard characterized by high purity and high oil absorption and capable of being shaped	4
B.5.1	100 % sulphate wood pulp	Mouldable pressboard of high purity and high oil absorption and capable of being shaped	5
B.6.1	100 % sulphate wood pulp	Hard calendered pressboard of low porosity, usually sized	6
B.7.1	100 % sulphate wood pulp	Hard calendered pressboard of low porosity, usually loaded	7
NOTE - Qualities with specially high densities are designed in column B of B.0.1 (table 1) and B.2.1 (table 2).			

4 Requirements

The material shall conform to the general requirements as given in IEC 641-1 and to the specific requirements of the appropriate type given in tables 1 to 7 of this sheet.