
Specification for non-impregnated, densified laminated wood for electrical purposes - Part 2: Methods of test (IEC 61061-2:1992/A1:2001)

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EUROPEAN STANDARD

EN 61061-2/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 17.220.99; 29.035.01

English version

**Specification for non-impregnated,
densified laminated wood for electrical purposes
Part 2: Methods of test
(IEC 61061-2:1992/A1:2001)**

Spécification pour stratifiés de bois
densifié, non imprégnés,
à usages électriques
Partie 2: Méthodes d'essai
(CEI 61061-2:1992/A1:2001)

Nicht-imprägniertes Kunstharzpreßholz
für elektrotechnische Zwecke
Teil 2: Prüfverfahren
(IEC 61061-2:1992/A1:2001)

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This amendment A1 modifies the European Standard EN 61061-2:2001; it was approved by CENELEC on 2001-09-01. 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.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, 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 text of document 15C/1204/FDIS, future amendment 1 to IEC 61061-2:1992, 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 amendment A1 to EN 61061-2:2001 on 2001-09-01.

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) 2002-06-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2004-09-01

Endorsement notice

The text of amendment 1:2001 to the International Standard IEC 61061-2:1992 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

61061-2

1992

AMENDEMENT 1
AMENDMENT 1
2001-07

Amendement 1

**Spécification pour stratifiés de bois densifié,
non imprégnés, à usages électriques –**

**Partie 2:
Méthodes d'essai**

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Amendment 1

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**Specification for non-impregnated, densified
laminated wood for electrical purposes –**

**Part 2:
Methods of test**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
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FOREWORD

This amendment has been prepared by subcommittee 15C: Specifications of IEC technical committee 15: Insulating materials.

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

FDIS	Report on voting
15C/1204/FDIS	15C/1239/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 the base publication and its amendments will remain unchanged until 2004. At this date, the publication will be

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

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Replace “6.6 Shearing strength” by “6.6 Shearing strength test for glue line bond”.

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6.6 Shearing strength

Replace the title and text of this subclause by the following:

6.6 Shearing strength test for glue line bond

6.6.1 General

The shearing strength parallel to laminations shall be determined with the method specified below, using the apparatus shown in figure 2. This test can only be applied for thicknesses equal to or greater than 20 mm.

6.6.2 Specimens

For sheets with a thickness greater than 20 mm, the thickness shall be reduced by machining equally on both faces to $20^{+0}_{-0,2}$ mm.

Five cubic blocks are then cut from the test piece which are $20^{+0}_{-0,2}$ mm on each side.

6.6.3 Conditioning

Test specimens shall be conditioned in accordance with clause 3.

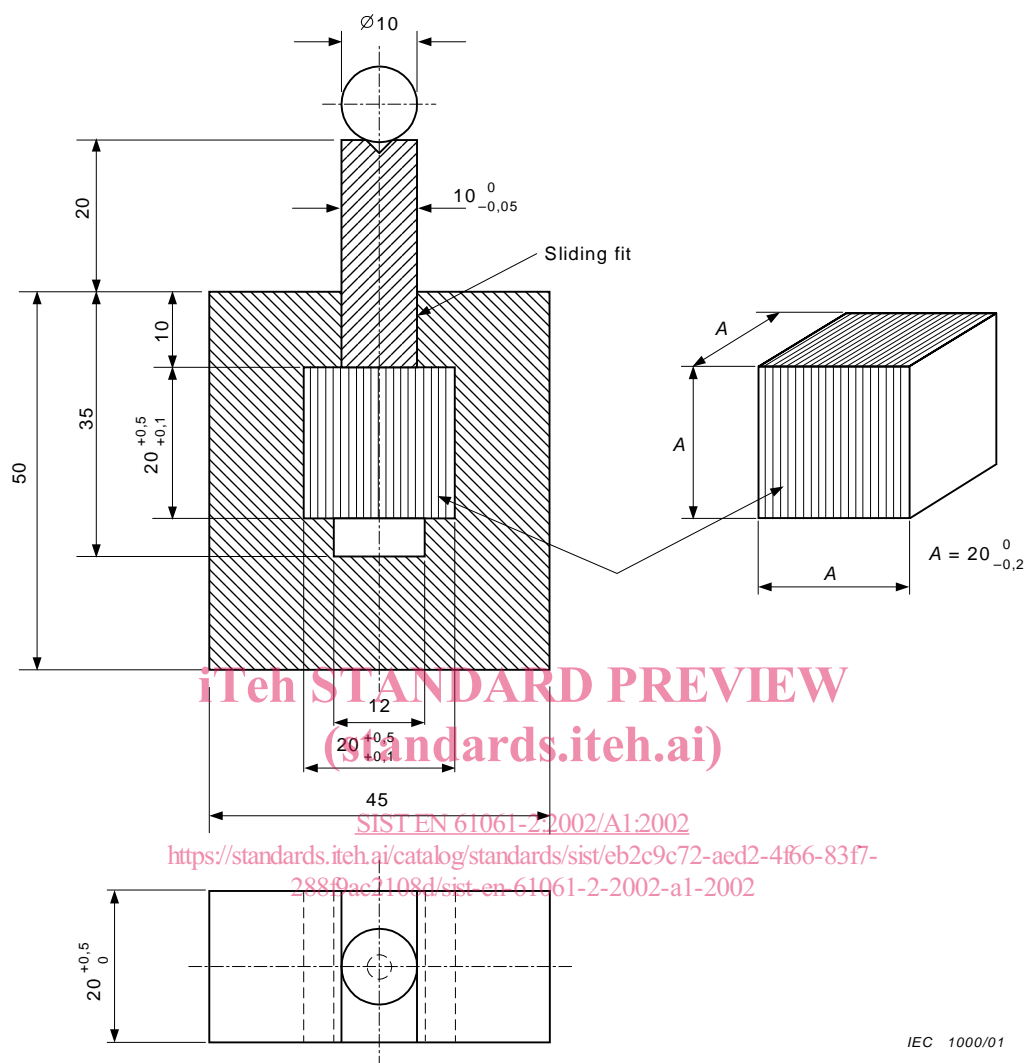
6.6.4 Procedure

The test specimens shall be arranged so that the shearing stress acts in a plane parallel to the laminations. The load is applied so that the rupture is reached in $60\text{ s} \pm 30\text{ s}$. In practice, the orientation of the specimens make no significant difference in the results, due to the fact that it is the glue line that is being tested.

6.6.5 Results

Calculate the shearing strength by dividing the shearing force by the total area of the shearing planes, i.e. twice 400 mm^2 . Report the central value as the test result in megapascals (MPa). Also report the minimum and maximum values.

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All dimensions are in millimetres,
tolerances are ± 0.5 , unless otherwise stated.

Figure 2 – Device for testing shearing strength for glue line bond