

Puitplaadid. Niiskussisalduse määramine

Wood-based panels - Determination of moisture content

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 322:2002 sisaldab Euroopa standardi EN 322:1993 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 15.03.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 26.02.1993.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 322:2002 consists of the English text of the European standard EN 322:1993.

This standard is ratified with the order of Estonian Centre for Standardisation dated 15.03.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 26.02.1993.

The standard is available from Estonian standardisation organisation.

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Võtmesõnad: katsemeetod, niiskussisaldus, osb, puitkiudplaat, puitlaastplaat, puitplaat, tsementsideainega puitlaastplaat, vineer

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Descriptors: Wood-based panel, fibreboard, particleboard, plywood, OSB, cement-bonded particleboard, test method, moisture content.

English version

Wood-based panels
Determination of moisture content

Panneaux à base de bois; détermination
de l'humidité

Holzwerkstoffe; Bestimmung des
Feuchtegehaltes

This European Standard was approved by CEN on 1992-12-15.

CEN 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 CEN 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 CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard was prepared by Working Group 4 'Common test methods' (Secretariat: BSI) of Technical Committee CEN/TC 112 'Wood-based panels', the Secretariat of which is held by DIN.

The text is based on International Standard ISO 9425 : 1989 which has been developed with European participation.

This standard is one of a series of standards specifying methods of test for determining dimensions and properties of wood-based panels.

No existing European Standard is superseded.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, by August 1993 at the latest, and conflicting national standards withdrawn, by December 1994 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European Standard specifies a method for determining the moisture content of test pieces of wood-based panels. Such result may be used to estimate the moisture content of wood-based panels according to EN 326-1.

2 Normative references

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.

EN 326-1 Wood-based panels; sampling, cutting and inspection. Part 1: Sampling and cutting of test pieces and expression of test results¹⁾

3 Principle

Determination, by weighing, of the loss of mass of each test piece between its state at the time of sampling and its state after drying to constant mass at $(103 \pm 2)^\circ\text{C}$, and calculation of this loss of mass as a percentage of the mass of the test piece after drying; these results are used to estimate the moisture content of whole boards.

4 Apparatus

4.1 Balance

Balance, scale interval 0,01 g.

4.2 Drying oven

Ventilated drying oven, capable of being controlled at $(103 \pm 2)^\circ\text{C}$.

4.3 Desiccator

Silica gel containing a desiccant, to maintain the air as close as possible to the absolutely dry condition.

5 Test pieces

5.1 Sampling and cutting

Sampling and cutting of the test pieces shall be carried out in accordance with EN 326-1. Test pieces shall cover the full thickness of the board.

5.2 Dimensions

The test pieces shall have a minimum initial mass of 20 g; shape and size are unimportant. The test pieces shall be free from loose splinters and sawdust.

6 Procedure

6.1 Weighing before drying

Weigh each test piece in the as-sampled state to an accuracy of 0,01 g.

¹⁾ At present at the draft stage.