

Puitplaadid. Tiheduse määramine

Wood-based panels - Determination of density

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 323:2002 sisaldab Euroopa standardi EN 323:1993 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 323:2002 consists of the English text of the European standard EN 323:1993.

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.

ICS 79.060.01

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

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

English version

**Wood-based panels
Determination of density**

Panneaux à base de bois; détermination
de la masse volumique

Holzwerkstoffe; Bestimmung der Roh-
dichte

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 9427 : 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 density of test pieces of wood-based panels. Such result may be used to estimate the density 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 325 Wood-based panels; determination of dimensions of test pieces

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

Density is determined as the ratio of the mass of each test piece to its volume, both measured at the same moisture content, and the results used to estimate the density of whole boards.

4 Apparatus

4.1 Instrument for thickness measurement

Micrometer or similar measuring instrument, having flat and parallel circular measuring surfaces of (16 ± 1) mm diameter and an operation force of (4 ± 1) N. The graduation of the apparatus shall allow reading to 0,01 mm.

4.2 Instrument for length and width measurement

Sliding caliper, or any other instrument with measuring surfaces of at least 5 mm width, graduated to allow reading to 0,1 mm.

4.3 Balance

Balance, allowing measurement to 0,01 g.

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.

5.2 Dimensions

The test pieces shall be square in shape, with sides of a nominal length of 50 mm.

¹⁾ At present at the draft stage.