

**Puitlaastplaadid ja puitkiudplaadid. Pundumise
määramine paksuses pärast leotamist**

Particleboards and fibreboards - Determination of
swelling in thickness after immersion in water

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 317:2000 sisaldab Euroopa standardi EN 317:1993 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 09.10.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 26.02.1993.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 317:2000 consists of the English text of the European standard EN 317:1993.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 09.10.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 26.02.1993.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

ICS 79.060.20

Võtmesõnad: katsemeetod, leotuskatse, puitkiudplaat, puitlaastplaat, pundumine paksuses, tsementsideainega puitlaastplaat

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

UDC 674.03:674.815:674.817:620.192.53

Descriptors: Particleboard, fibreboard, cement-bound particleboard, test method, swelling in thickness, immersion test.

English version

Particleboards and fibreboards

Determination of swelling in thickness
after immersion in water

Panneaux de particules et panneaux de
fibres; détermination du gonflement en
épaisseur après immersion dans l'eau

Spanplatten und Faserplatten; Bestim-
mung der Dickenquellung nach
Wasserlagerung

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Contents

	Page
1 Scope	2
2 Normative references	2
3 Principle	2
4 Apparatus	2
5 Test pieces	2
6 Procedure	2
7 Expression of results	3
8 Test report	3
Annex A (informative) Bibliography	3

Foreword

This European Standard was prepared by Working Group 1 'Particleboards' and Working Group 3 'Fibreboards' (Secretariat: UNI) of Technical Committee CEN/TC 112 'Wood-based panels', the Secretariat of which is held by DIN.

This standard is one of a series of standards specifying methods of test for determining the properties of particleboard and fibreboard.

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/GENELEC 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 of determining the swelling in thickness of flat-pressed and drum-pressed particleboards, fibreboards, and cement-bonded particleboards.

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

Swelling in thickness is determined by measuring the increase in thickness of the test piece after complete immersion in water.

4 Apparatus

4.1 Micrometer

Micrometer according to EN 325.

4.2 Water bath

A thermostatically controlled water bath, capable of maintaining a temperature of (20 ± 1) °C and in which test pieces can be maintained in the conditions specified in 6.2.

5 Test pieces

5.1 Sampling

Sampling and cutting of the test pieces shall be carried out according to EN 326-1.

5.2 Dimensions

The test pieces shall be square, with a side length of (50 ± 1) mm.

5.3 Conditioning

The test pieces shall be conditioned to constant mass in an atmosphere with a mean relative humidity of (65 ± 5) % and a temperature of (20 ± 2) °C. Constant mass is considered to be reached when the results of two successive weighing operations, carried out at an interval of 24 h, do not differ by more than 0,1 % of the mass of the test piece.

6 Procedure

6.1 Thickness measurement

The thickness of each test piece shall be measured to an accuracy of 0,01 mm at the intersection of the diagonals, according to EN 325 (see figure 1).

¹⁾ At present at the draft stage.