

**Puitplaadid -Tunnusväärtused
ehitusprojekteerimiseks - Osa 1: OSB,
puitlaastplaadid ja puitkiudplaadid**

Wood-based panels - Characteristic values for
structural design - Part 1: OSB, particleboards and
fibreboards

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12369-1:2005 sisaldab Euroopa standardi EN 12369-1:2001 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 16.02.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 18.10.2000.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 12369-1:2005 consists of the English text of the European standard EN 12369-1:2001.

This standard is ratified with the order of Estonian Centre for Standardisation dated 16.02.2001 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 18.10.2000.

The standard is available from Estonian standardisation organisation.

ICS 79.060.01

Võtmesõnad: ehitusprojekt, puitkiudplaat, puitlaastplaadid, tihedus (mass ruumalaühiku kohta), tugevus

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

English version

**Wood-based panels – Characteristic values for
structural design**

Part 1: OSB, particleboard and fibreboard

Panneaux à base de bois – Valeurs
caractéristiques pour la conception
des structures – Partie 1: OSB,
panneaux de particules et panneaux
de fibres

Holzwerkstoffe – Charakteristische
Werte für die Berechnung und
Bemessung von Holzbauwerken –
Teil 1: OSB, Spanplatten und Faser-
platten

This European Standard was approved by CEN on 2000-12-03.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

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

Management Centre: rue de Stassart 36, B-1050 Brussels

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Terms and definitions and symbols	4
3.1 Terms and definitions	4
3.2 Symbols	5
4 General	6
5 Characteristics values	6
5.1 Introduction	6
5.2 OSB (EN 300)	6
5.3 Particleboards (EN 312)	8
5.4 Fibreboards (EN 622 parts 2 and 3)	11
5.5 MDF (EN 622-5)	12
Annex A (informative) Format for the presentation of the characteristic values	15

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2001, and conflicting national standards shall be withdrawn at the latest by July 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This standard is intended to be used in conjunction with ENV 1995-1-1.

No existing European Standard is superseded.

Annex A is informative.

1 Scope

This European Standard provides information on the characteristic values for use in designing structures incorporating wood-based panels. The characteristic values given are as defined in ENV 1995-1-1.

This standard includes the characteristic values of both the mechanical properties and density for the panels set out below:

- OSB/2, OSB/3 and OSB/4, complying with EN 300;
- Particleboard, P4, P5 P6, P7 complying with EN 312 Parts 4 to 7;
- Hardboard, HB.HLA2 complying with EN 622-2;
- Medium board, MBH.LA2 complying with EN 622-3;
- MDF.LA and MDF.HLS complying with EN 622-5.

Characteristic values for plywood, solid wood panels, laminated veneer lumber (LVL) and cement bonded particleboards will be provided in one or more further parts of this standard.

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 (including amendments).

EN 300, *Oriented Strand Boards (OSB) — Definitions, classification and specifications.*

EN 312-4, *Particleboards — Specifications — Part 4: Requirements for load-bearing boards for use in dry conditions.*

EN 312-5, *Particleboards — Specifications — Part 5: Requirements for load-bearing boards for use in humid conditions.*

EN 312-6, *Particleboards — Specifications — Part 6: Requirements for heavy duty load-bearing boards for use in dry conditions.*

EN 312-7, *Particleboards — Specifications — Part 7: Requirements for heavy duty load-bearing boards for use in humid conditions.*

EN 323, *Wood-based panels — Determination of density.*

EN 622-2, *Fibreboards — Specifications — Part 2: Requirements for hardboards.*

EN 622-3, *Fibreboards — Specifications — Part 3: Requirements for medium boards.*

EN 622-5, *Fibreboards — Specifications — Part 5: Requirements for dry process boards (MDF).*

EN 789, *Timber structures — Test methods — Determination of mechanical properties of wood-based panels.*

EN 1058, *Wood based panels — Determination of characteristic values of mechanical properties and density.*

ENV 1995-1-1 *Eurocode 5 - Design of timber structures — Part 1-1: General rules and rules for buildings.*