

Fibreboards - Specifications - Part 3: Requirements for medium boards

Fibreboards - Specifications - Part 3: Requirements
for medium boards

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 622-3:2004 sisaldab Euroopa standardi EN 622-3:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.08.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 622-3:2004 consists of the English text of the European standard EN 622-3:2004.</p> <p>This document is endorsed on 27.08.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: This European Standard specifies the requirements for hardboards as defined in EN 316. The values listed in this standard relate to product properties but they are not characteristic values to be used in design calculations¹).</p>	<p>Scope: This European Standard specifies the requirements for hardboards as defined in EN 316. The values listed in this standard relate to product properties but they are not characteristic values to be used in design calculations¹).</p>
--	--

ICS 79.060.20

Võtmesõnad:

English version

Fibreboards - Specifications - Part 3: Requirements for medium boards

Panneaux de fibres - Exigences - Partie 3: Exigences pour panneaux mi-durs

Faserplatten - Anforderungen - Teil 3: Anforderungen an mittelharte Platten

This European Standard was approved by CEN on 2 February 2004.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	5
4 Requirements	6
4.1 General.....	6
4.2 Requirements for general purpose boards.....	6
4.2.1 Requirements for boards for use in dry conditions.....	6
4.2.2 Requirements for boards for use in humid conditions.....	7
4.2.3 Requirements for boards for use in exterior conditions	7
4.3 Requirements for load-bearing boards	8
4.3.1 General.....	8
4.3.2 Requirements for boards for use in humid conditions.....	8
4.3.3 Requirements for boards for use in humid conditions.....	9
5 Verification of compliance	10
5.1 General.....	10
5.2 External control.....	10
5.3 Factory production control.....	10
6 Marking	10
6.1 General purpose boards	10
6.2 Load-bearing boards	11
6.3 Colour coding.....	11
Annex A (normative) Supplementary properties	12
Annex B (normative) Boil test according to EN 1087-1:1995 — Modified procedure	13
Annex C (normative) Determination of bending strength after boil test according to EN 1087-1:1995 — Modified procedure.....	14
Bibliography	15

Foreword

This document (EN 622-3:2004) 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 October 2004, and conflicting national standards shall be withdrawn at the latest by October 2004.

This standard is one of a series specifying requirements for fibreboards. The other parts of this series are listed in clause 2 and in the bibliography.

This document supersedes EN 622-3:1997.

The following modifications have been made:

- a) The quality requirements of the panel types MBH.H, MBH.E, MBH.LA2, MBH.HLS1 and MBH.HLS2 have been modified.
- b) The test interval for moisture resistance has been reduced in accordance with EN 13986.

Annexes A, B and C are normative.

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

1 Scope

This European Standard specifies the requirements for medium boards as defined in EN 316.

The values listed in this standard relate to product properties but they are not characteristic values to be used in design calculations¹⁾.

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 310:1993, *Wood-based panels — Determination of modulus of elasticity in bending and of bending strength*.

EN 317, *Particleboards and Fibreboards — Determination of swelling in thickness after immersion in water*.

EN 318, *Wood based panels - Determination of dimensional changes associated with changes in relative humidity*

EN 319, *Particleboards and Fibreboards — Determination of tensile strength perpendicular to the plane of the board*.

EN 326-1, *Wood-based panels — Sampling, cutting and inspection — Part 1: Sampling and cutting of test pieces and expression of test results*.

EN 326-2, *Wood-based panels — Sampling, cutting and inspection — Part 2: Quality control in the factory*.

EN 326-3, *Wood-based panels — Sampling, cutting and inspection — Part 3: Inspection of an isolated lot of panels*.

EN 622-1, *Fibreboards — Specifications — Part 1: General requirements*.

EN 1087-1:1995, *Particleboards - Determination of moisture resistance - Part 1: Boil test*

EN 12871, *Wood-based panels — Performance specifications and requirements for load-bearing boards for use in floors, walls and roofs*.

EN 13986:2002, *Wood-based panels for use in construction — Characteristics, evaluation of conforming and marking*.

ENV 1995-1-1:1993, *Eurocode 5 — Design of timber structures Part 1-1: General rules and rules for buildings*.

ISO 3340, *Fibre building boards — Determination of sand content*.

1) Such characteristic values (e.g. for use in design calculation in ENV 1995-1-1) are either given EN 12369-1 or derived by testing according to EN 789, EN 1058 and ENV 1156.