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Fiberboards - Specifications - Part 4: Requirements for softboards

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Standard on kinnitatud Eesti Standardikeskuse 28.02.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 28.02.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
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EUROPEAN STANDARD

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English Version

Fibreboards - Specifications - Part 4: Requirements for softboards

Panneaux de fibres - Exigences - Partie 4: Exigences pour panneaux tendres

Faserplatten - Anforderungen - Teil 4: Anforderungen an poröse Platten

This European Standard was approved by CEN on 10 October 2009.

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Foreword

This document (EN 622-4:2009) 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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 622-4:1997.

This European Standard is one of a series specifying requirements for fibreboards. The other part of this series are listed in Clause 2 and in the Bibliography.

Compared with EN 622-4:1997 the following modifications have been made:

a) additional thickness range > 36 mm introduced;

b) marking requirements and definitions adapted to EN 13986.

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

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1 Scope

This European Standard specifies the requirements for softboards as defined in EN 316, with a density ≥ 230 kg/m^3 to 400 kg/m^3.

The values listed in this European Standard relate to product properties but they are not characteristic values to be used in design calculations.

NOTE Panels which are intended for use exclusively as thermal insulating products are covered by EN 13171.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 316, *Wood fibre boards — Definition, classification and symbols*

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

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 13986:2004, *Wood-based panels for use in construction — Characteristics, evaluation of conformity and marking*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13986:2004 and the following apply.

3.1
dry conditions
conditions corresponding to service class 1 of EN 1995-1-1 which is characterised by a moisture content in the material corresponding to a temperature of 20 °C and a relative humidity of the surrounding air only exceeding 65 % for a few weeks per year

NOTE Boards of this type are suitable for use only in hazard class 1 of EN 335-3.

3.2
humid conditions
conditions corresponding to service class 2 of EN 1995-1-1 which is characterised by a moisture content in the material corresponding to a temperature of 20 °C and a relative humidity of the surrounding air only exceeding 85 % for a few weeks per year

NOTE Boards of this type are suitable for use only in hazard classes 1 and 2 of EN 335-3.

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