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I.S. EN 622-5:2009

# Fibreboards - Specifications - Part 5: Requirements for dry process boards (MDF)

## I.S. EN 622-5:2009

*Incorporating amendments/corrigenda issued since publication:*

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<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

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## **Fibreboards - Specifications - Part 5: Requirements for dry process boards (MDF)**

Panneaux de fibres - Exigences - Partie 5 : Exigences pour  
panneaux obtenus par procédé à sec (MDF)

Faserplatten - Anforderungen - Teil 5: Anforderungen an  
Platten nach dem Trockenverfahren (MDF)

This European Standard was approved by CEN on 3 October 2009.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

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**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## **Foreword**

This document (EN 622-5:2009) 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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.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 622-5:2006.

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.

Compared to EN 622-5:2006 the following modifications have been made:

- a) Panel type MDF.RWH also intended for instantaneous or short-term load duration as a rigid underlay in roofing and walls;
- b) Requirement for swelling in thickness after cyclic testing changed for panel type MDF.RWH in Table 11.

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.

## 1 Scope

This European Standard specifies the requirements for dry process boards (MDF) as defined in EN 316.

The values listed in this European Standard relate to product properties but they are not characteristic values to be used in design calculations<sup>1)</sup>.

## 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 311, *Wood-based panels — Surface soundness — Test method*

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 320, *Fibreboards — Determination of resistance to axial withdrawal of screws*

EN 321, *Wood-based panels — Determination of moisture resistance under cyclic test conditions*

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 382-1, *Fibreboards — Determination of surface absorption — Part 1: Test method for dry process fibreboards*

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 13271, *Timber fasteners — Characteristic load-carrying capacities and slip-moduli for connector joints*

EN 13446, *Wood-based panels — Determination of withdrawal capacity of fasteners*

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

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