



**Irish Standard**  
**I.S. EN 12369-1:2025**

**Version 2.00**

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

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- I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.
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## **National Foreword**

I.S. EN 12369-1:2025 V2.00 is the version of the NSAI adopted European document EN 12369-1:2025, *Wood-based panels - Characteristic values for structural design - Part 1: OSB, particleboards and fibreboards*, including any Corrections, Amendments etc. to EN 12369-1:2025 listed on page(s) II.

This normative document by CEN/CENELEC the elaboration of which includes a public enquiry, followed by a Formal Vote of CEN/CENELEC national members and final ratification. This European Standard is published as an identical national standard and every conflicting national standard will be withdrawn. The content of a European Standard does not conflict with the content of any other EN (and HD for CENELEC).

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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EN 12369-1

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Supersedes EN 12369-1:2001

English Version

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

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 Faserplatten

This European Standard was approved by CEN on 6 July 2025.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION  
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN 12369-1:2025) 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 March 2025, and conflicting national standards shall be withdrawn at the latest by March 2025.

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

This document supersedes EN 12369-1:2001.

EN 12369-1:2025 includes the following significant technical changes with respect to EN 12369-1:2001:

- MDF.RWH added in the scope;
- characteristic values for MDF.RWH added in 5.5.4
- editorial changes.

This document is intended to be used in conjunction with EN 1995-1-1.

The EN 12369 series Wood-based panels — Characteristic values for structural design is currently composed of the following parts:

- Part 1: OSB, particleboards and fibreboards;
- Part 2: Plywood;
- Part 3: Solid wood panels.

Annex A is informative.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

## **1 Scope**

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

This document 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;
- 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;
- MDF.RWH complying with EN 622-5.

## **2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 300, *Oriented Strand Boards (OSB) — Definitions, classification and specifications*

EN 312, *Particleboards — Specifications*

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 5-percentile values and characteristic mean values*

EN 1995-1-1:2004, *Eurocode 5: Design of timber structures — Part 1-1: General — Common rules and rules for buildings*

## **3 Terms, definitions and symbols**

### **3.1 Terms and definitions**

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>



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