

STN	Dosky na báze dreva Charakteristické hodnoty na navrhovanie konštrukcií Časť 1: OSB, trieskové dosky a vláknité dosky	STN EN 12369-1 49 0140
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Wood-based panels - Characteristic values for structural design - Part 1: OSB, particleboards and fibreboards

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/25

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 12369-1:2025 (E)

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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of an identical text or by endorsement, at the latest by March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

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.

EN 12369-1:2025 (E)**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*

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