



# SLOVENSKI STANDARD

## oSIST prEN 12369-3:2021

01-marec-2021

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### Lesne plošče - Karakteristične vrednosti za dimenzioniranje konstrukcij - 3. del: Masivne lesne plošče

Wood-based panels - Characteristic values for structural design - Part 3: Solid wood panels

Holzwerkstoffe - Charakteristische Werte für die Berechnung und Bemessung von Holzbauwerken - Teil 3: Massivholzplatten

Panneaux à base de bois - Valeurs caractéristiques pour la conception des structures - Partie 3 : Bois panneautés

**Ta slovenski standard je istoveten z: prEN 12369-3**

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#### **ICS:**

79.060.99      Druge lesne plošče      Other wood-based panels

**oSIST prEN 12369-3:2021**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 12369-3**

January 2021

ICS 79.060.99

Will supersede EN 12369-3:2008

English Version

## Wood-based panels - Characteristic values for structural design - Part 3: Solid wood panels

Panneaux à base de bois - Valeurs caractéristiques pour la conception des structures - Partie 3 : Bois panneautés

Holzwerkstoffe - Charakteristische Werte für die Berechnung und Bemessung von Holzbauwerken - Teil 3: Massivholzplatten

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 112.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## European foreword

This document (prEN 12369-3:2021) has been prepared by Technical Committee CEN/TC 112 “Wood-based panels”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 12369-3:2008.

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

This European Standard is one of a series specifying characteristic values of wood-based panels for structural design. The other parts of this series are listed in the Bibliography.

Annex A is informative.

Compared to EN 12369-3:2008 the following changes have been made:

- a) modification of the thickness range and of the values for single-layer panels given at Table 2 in conjunction with changes in EN 13353;
- b) modification the thickness ranges and of the values for multi-layer panels given at Table 3 in conjunction with changes in EN 13353;
- c) editorial changes.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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**prEN 12369-3:2021 (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 the mechanical properties and of the raw density for solid-wood panels complying with prEN 13353:2021 technical classes SWP/1 S, SWP/2 S, SWP/3 S.

**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 338, *Structural timber — Strength classes*

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 1156, *Wood-based panels — Determination of duration of load and creep factors*

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

EN 13017-1, *Solid wood panels — Classification by surface appearance — Part 1: Softwood*

EN 13017-2, *Solid wood panels — Classification by surface appearance — Part 2: Hardwood*

**3 Terms and definitions and symbols****3.1 Terms and definitions**

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

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

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

**3.1.1****characteristic values****3.1.1.1****characteristic strength value**

population 5-percentile value obtained from the results of tests with a duration of 300 s at an equilibrium moisture content of the test pieces relating to a temperature of 20 °C and a relative humidity of 65 %