

# SVENSK STANDARD

## SS-EN 13629:2020

**Trägolv – Lövträ – Brädor och till element sammansatta brädor**

**Wood flooring – Solid individual and pre-assembled hardwood boards**



**sis** Svenska  
Institutet för  
Standarder

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Europastandarden EN 13629:2020 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 13629:2020.

Denna standard ersätter SS-EN 13629:2012, utgåva 2.

The European Standard EN 13629:2020 has the status of a Swedish Standard. This document contains the official version of EN 13629:2020.

This standard supersedes the SS-EN 13629:2012, edition 2.



EUROPEAN STANDARD

**EN 13629**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2020

ICS 79.080; 91.060.30

Supersedes EN 13629:2012

English Version

## Wood flooring - Solid individual and pre-assembled hardwood boards

Planchers en bois - Lame de plancher massive  
individuelle ou pré-assemblée en bois feuillus

Holzfußböden - Massive Laubholzdielen und  
zusammengesetzte massive Laubholzdielen-Elemente

This European Standard was approved by CEN on 22 December 2019.

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.

CEN members are the national standards bodies of 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, Turkey and United Kingdom.



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

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

**SS-EN 13629:2020 (E)**

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## **European foreword**

This document (EN 13629:2020) has been prepared by Technical Committee CEN/TC 175 “Round and Sawn Timber”, the secretariat of which is held by AFNOR.

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 September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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 13629:2012.

The main changes with respect to the previous edition EN 13629:2012 is the correction of subclause 4.4 Moisture content – misleading link is removed and range of moisture content adopted.

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, Turkey and the United Kingdom.

## SS-EN 13629:2020 (E)

### 1 Scope

This document specifies the characteristics of individual hardwood boards and pre-assembled hardwood boards with grooves and/or tongues for internal use as flooring. This document covers hardwood boards with or without surface coating.

This document does not cover solid parquet elements. (See Annex C).

### 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 351-1, *Durability of wood and wood-based products — Preservative-treated solid wood — Part 1: Classification of preservative penetration and retention*

EN 460, *Durability of wood and wood-based products — Natural durability of solid wood — Guide to the durability requirements for wood to be used in hazard classes*

EN 1309-3, *Round and sawn timber — Methods of measurements — Part 3: Features and biological degradations*

EN 1534, *Wood flooring and parquet — Determination of resistance to indentation — Test method*

EN 13183-1, *Moisture content of a piece of sawn timber — Part 1: Determination by oven dry method*

EN 13183-2, *Moisture content of a piece of sawn timber — Part 2: Estimation by electrical resistance method*

EN 13647, *Wood flooring and wood panelling and cladding — Determination of geometrical characteristics*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 844:2019, EN 13756:2018 and the following apply.

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

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

#### 3.1

##### **solid individual hardwood board**

wide and generally long solid (single layer) hardwood element which has parallel sides, is machined to a regular thickness and profile(s) with profiled edges and ends and is capable of being assembled with other analogous elements (see Figure 1)



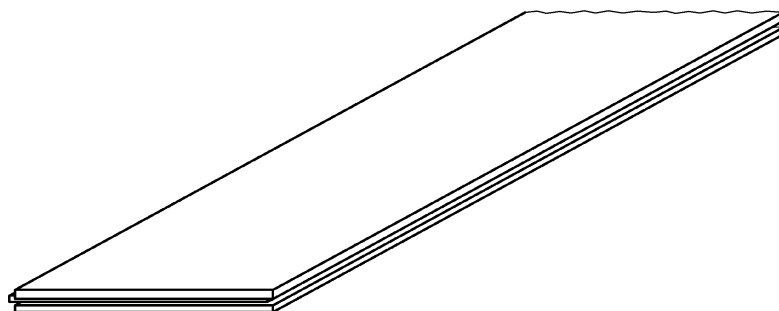


Figure 1 — Individual hardwood board

### 3.2

#### **solid pre-assembled hardwood board**

wide and generally long solid (single-layer) hardwood element, pre-assembled from several strips in length and width by dovetailing, edge gluing and end jointing which has parallel sides, is machined to a regular thickness and profile(s) with profiled edges and ends, and is capable of being assembled with other analogous elements (see Figure 2)

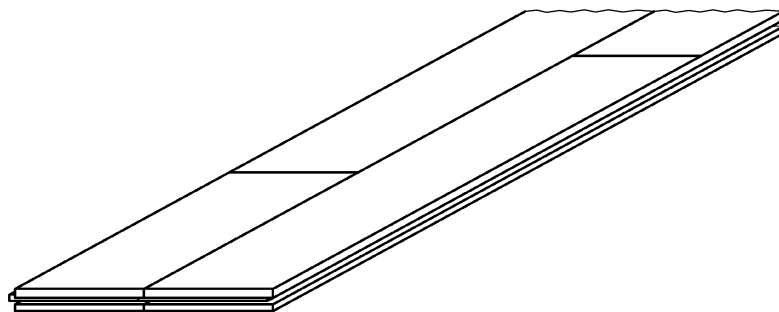


Figure 2 — Solid pre-assembled hardwood board

### 3.3

#### **strip**

smallest single item forming the pre-assembled board

### 3.4

#### **thickness above the groove**

thickness between the face and any discontinuity such as a change in the profile (excluding chamfering), a groove/glue pocket or a glue line (excluding the glue line of dove-tail joints)

## 4 Specific product requirements

### 4.1 Wood species

A list of the most commonly used hardwood species for wood flooring as described in this standard is given in Annex A.

### 4.2 Finishing

The product may be delivered with a factory applied surface coating which allows the product to be taken into use immediately after installation. The surface treatment used and any artificial change of the natural wood colour shall be stated in the product description.

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### 4.3 Appearance

#### 4.3.1 General rules

Tables 1 to 4 define the classification relating to appearance rules for the face and for the non-visible parts (back and edges) of an element of the most commonly used species for solid wood flooring as defined in this standard.

Features shall be measured according to EN 1309-3 (knots assessed according to the general method in EN 1309-3). Bio deterioration, permitted only for certain appearance classes (see Tables 1 to 4) is measured according to EN 1309-3.

A classification with three appearance classes is specified, designated ○, Δ and □.

A classification named "Free class" is based on the principles laid out in Annex B.

The face shall include all the visible surface of the element.

Any continuous glue joint which allows renovation without significantly changing the appearance or the functional characteristics is acceptable.

#### 4.3.2 Classification

The class shall be specified.

The decorative appearance of each species will vary with class.

NOTE The fact that some classes allow many natural characteristics is important when specifying decorative appearance.

4.3.3 Rules for the most commonly used species

4.3.3.1 Quercus spp. (oak)

Rules for oak are given in Table 1.

Table 1 — Classification for Quercus spp. (oak)

Face of the element			
Features	Class		
	○	Δ	□
<b>Sound sapwood</b>	Permitted up to 10 % of the face, if distributed	Permitted up to 50 % of the face, if distributed	All possible features permitted without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.
<b>Knots</b> <sup>a</sup> Sound and intergrown Unsound	Permitted if: diameter ≤ 15 mm diameter ≤ 5 mm	Permitted if: diameter ≤ 35 mm diameter ≤ 25 mm	
<b>Checks</b>	Not permitted	Permitted up to 50 mm in length per strip	
<b>Bark pockets</b>	Not permitted	Not permitted	
<b>Lightning shake</b>	Not permitted	Permitted	
<b>Slope of grain</b>	Permitted, no limit	Permitted, no limit	
<b>Colour variation</b>	Permitted	Permitted	
<b>Medullary ray</b>	Permitted	Permitted	
<b>Biodeterioration</b>	Not permitted	Not permitted	
<b>Non-visible parts</b>			
All possible features permitted without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.			
<sup>a</sup> Cracks in knots and knot holes shall be filled (repaired by sealing with filler).			