



SLOVENSKI STANDARD

SIST EN 13629:2003

01-oktober-2003

Lesene talne obloge - Masivne predsestavljene plošče listavcev

Wood flooring - Solid pre-assembled hardwood board

Holzfußböden - Massive Laubholz-Dielen

Plancher en bois - Lame a plancher massive pré-assemblée en bois feuillus

Ta slovenski standard je istoveten z: **EN 13629:2002**

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ICS:

79.080	Polizdelki iz lesa	Semi-manufactures of timber
97.150	Netekstilne talne obloge	Non-textile floor coverings

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en

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EUROPEAN STANDARD

EN 13629

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2002

ICS 79.080

English version

Wood flooring - Solid pre-assembled hardwood boardPlanchers en bois - Lames à plancher massives pré-
assemblée en feuillus

Holzfußböden - Massive Laubholz-Parkettdielen

This European Standard was approved by CEN on 4 November 2002.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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Foreword

This document (EN 13629:2002) 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of an identical text or by endorsement, at the latest by June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

In this European Standard annex A is informative and annex B is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

This standard is one of a series of standards about wood flooring and wood panelling and cladding.

This standard specifies the characteristics of solid hardwood flooring boards and pre-assemblies thereof. It is based upon current dimensional standards used in the industry and other characteristics together with functions which have been verified by test.

A large amount of knowledge exists about solid pre-assembled hardwood flooring boards and values for product characteristics are attested by long use and experience. It is therefore not necessary to have test results. For new products technical data will have to be verified by testing.

The appearance of the wood flooring is mainly influenced by species, classification and the pattern.

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1 Scope

This European standard specifies the characteristics of solid pre-assembled hardwood boards with grooves and/or tongues for internal use as flooring.

This standard covers solid hardwood pre-assembled boards with or without surface treatment.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 844-1:1995, *Round and sawn timber – Terminology – Part 1: General terms common to round timber and sawn timber.*

EN 844-3:1995, *Round and sawn timber – Terminology – Part 3: General terms relating to sawn timber.*

EN 844-4:1997, *Round and sawn timber – Terminology – Part 4: Terms relating to structure content.*

EN 844-6:1997, *Round and sawn timber – Terminology – Part 6: Terms relating to dimensions of sawn timber.*

EN 844-7:1997, *Round and sawn timber – Terminology – Part 7: Terms relating to anatomical structure of timber.*

EN 844-9:1997, *Round and sawn timber – Terminology – Part 9: Terms relating to features of sawn timber.*

EN 844-10:1998, *Round and sawn timber – Terminology – Part 10: Terms relating to stain and fungal attack.*

EN 844-11:1998, *Round and sawn timber – Terminology – Part 11: Terms relating to degrade by insects.*

EN 844-12:2000, *Round and sawn timber – Terminology – Part 12: Additional terms and general index.*

EN 1310:1997, *Round and sawn timber – Method of measurement of features.*

EN 1311, *Round and sawn timber – Method of measurement of biological degrade.*

EN 1534, *Wood and parquet flooring – Determination of resistance to indentation (Brinell) – 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 and parquet flooring and wood panelling and cladding – Measurement of geometrical characteristics.*

EN 13756:2002, *Wood flooring – Terminology.*

EN 13629:2002 (E)

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions given in EN 844-1:1995, EN 844-3:1995, EN 844-4:1997, EN 844-6:1997, EN 844-7:1997, EN 844-9:1997, EN 844-10:1998, EN 844-11:1998, EN 844-12:2000 and in EN 13756:2002 and the following apply.

3.1

solid pre-assembled hardwood board

a wide and generally long solid (single-layer) hardwood element, pre-assembled from several strips by dove-tailing, edge gluing and end jointing. This element 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)

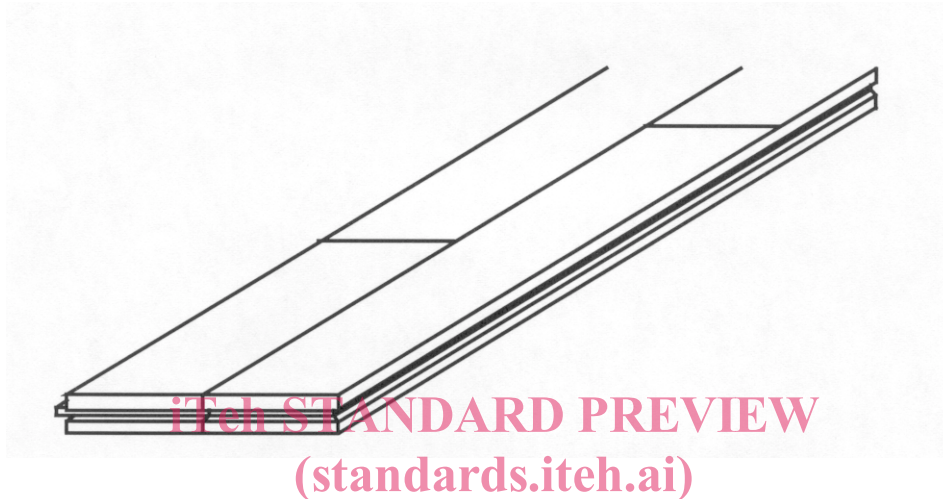


Figure 1 — Solid pre-assembled hardwood board

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3.2

strip

the smallest single item forming the pre-assembled board

3.3

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

The main species used for solid pre-assembled hardwood boards are European ash, oak, European beech, maple, birch, cherry and tropical hardwoods. Other hardwood species can be used provided that they meet the requirements of this standard.

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.

4.3 Appearance

4.3.1 General rules

Table 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 1310 (knots assessed according to the general method of 4.1 in EN 1310:1997). Biodeterioration is measured according to EN 1311.

A classification with three appearance classes is specified, designated ○, △ 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.

The face shall be free from shake and the wood shall be sound.

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

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EN 13629:2002 (E)

4.3.2 Rules for the most commonly used species

4.3.2.1 *Quercus* spp. (oak)

Rules for oak are given in Table 1.

Table 1 — Classification for *Quercus* spp. (oak)

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

4.3.2.2 *Fagus sylvatica* (European beech)

Rules for European beech are given in Table 2.

Table 2 — Classification for *Fagus sylvatica* (European beech)

Face of the element			
Features	Class		
	○	△	□
Sound sapwood	Not applicable	Not applicable	Not applicable
Knots ^a Sound and intergrown Unsound	Permitted if: diameter ≤ 10 mm diameter ≤ 5 mm	Permitted if: diameter ≤ 33 mm diameter ≤ 10 mm	All features permitted without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.
Checks	Very fine and significant checks permitted	Fine and significant checks permitted	
Bark pockets	Not permitted	Not permitted	
Lightning shake	Not permitted	Permitted	
Slope of grain	Permitted, no limit	Permitted, no limit	
Colour variation	Permitted ^b	Permitted	
Red heart	Not permitted	Permitted up to 50 % of the face, if distributed	
Stick marks	Not permitted	Permitted	
Medullary ray	Permitted	Permitted	
Biodeterioration	Not permitted	Not permitted	
Non-visible parts			
All features permitted without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.			
<p>^a Cracks in knots and knot holes shall be filled (repaired by sealing with filler).</p> <p>^b Permitted for steamed beech.</p>			