



# SLOVENSKI STANDARD

## SIST EN 14761:2006

01-maj-2006

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**Lesene talne obloge – Parket iz masivnega lesa – Pokončne lamele, prečne lamele in modularne kocke (kladice)**

Wood flooring - Solid wood parquet - Vertical finger, wide finger and module brick

Holzfußböden - Massivholzparkett - Hochkantlamelle, Breitlamelle und Modulklötz

Plancher en bois - Parquet en bois massif - Lamelle verticale, sur chant et à coupe de pierre

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Ta slovenski standard je istoveten z: **EN 14761:2006**  
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**ICS:**

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

**SIST EN 14761:2006**

**en**

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EUROPEAN STANDARD

EN 14761

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2006

ICS 79.080

English Version

## Wood flooring - Solid wood parquet - Vertical finger, wide finger and module brick

Plancher en bois - Parquet en bois massif - Lamelle verticale, sur chant et à coupe de pierre

Holzfußböden - Massivholzparkett - Hochkantlamelle, Breitlamelle und Modulklotz

This European Standard was approved by CEN on 30 December 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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## Foreword

This European Standard (EN 14761:2006) 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of an identical text or by endorsement, at the latest by August 2006, and conflicting national standards shall be withdrawn at the latest by August 2006.

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

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**EN 14761:2006 (E)****1 Scope**

This European Standard specifies the characteristics of solid vertical and wide finger as well as Module brick including the laying units made of softwood or hardwood for internal use as flooring. This standard covers products without surface treatments.

This standard covers also treated or untreated elements.

**2 Normative references**

The following referenced documents are indispensable for the application 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 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, *Round and sawn timber – Method of measurement of features*

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 - Determination of geometrical characteristics*

EN 13756:2002, *Wood flooring – Terminology*

EN 14342, *Wood flooring – Characteristics, evaluation of conformity and marking*

### 3 Terms and definitions

For the purposes of this European Standard the 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 EN 13756:2002 and the following apply.

#### 3.1

##### **vertical finger**

element of solid sawn wood, of small dimensions having flat edges similar to the mosaic parquet finger, and with tolerances in regard of the rectangular shape and the dimensions regarding the width and the thickness

#### 3.2

##### **wide finger**

small element of solid wood, with rectangular shape, having flat edges

NOTE See dimensions in Tables 4 (wide finger) and 5 (module brick)

#### 3.3

##### **module brick**

element of solid wood, with rectangular shape having flat edges

NOTE See dimensions in Tables 4 (wide finger) and 5 (module brick)

#### 3.4

##### **vertical finger laying unit**

pre-assembled laying unit made up of a certain number of fingers laid on their longest edge forming a pattern like a ladder

NOTE The particular fingers are held together by an adequate material either on their face and/or at the back for means of transportation and installation

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#### 3.5

##### **wide finger laying unit**

pre-assembled laying unit made up from a certain number of wide fingers which are assembled edge to edge forming a pattern like a ladder

NOTE The particular fingers are held together by an adequate material on their back for means of transportation and installation

#### 3.6

##### **module parquet laying unit**

pre-assembled laying unit made up of module bricks which are assembled edge to edge in a certain way in order to form a pattern, e. g. squares or other designs

NOTE The module bricks are held together by an adequate material on their face and/or at the back for means of transportation and installation

### 4 Symbols and abbreviations

*l* Length of the face of the element

*b* Width of the face of the element

*t* Thickness between the face and the back of the element

**EN 14761:2006 (E)****5 Specific product requirements****5.1 Wood species**

A list of the most commonly used species for elements and laying units as described in this standard is given in Annex A.

**5.2 Appearance****5.2.1 General rules**

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

Tables 1 and 2 define the classification relating to appearance rules for the face of wide fingers and module bricks made of oak, beech and ash.

Appearance rules for vertical fingers are given in 5.2.3.

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

The wood shall be sound and the surface free of insect galleries. All annual growth layer as well as medullary ray are permitted.

**5.2.2 Rules for wide fingers and module bricks****5.2.2.1 For Quercus spp. (oak)**

Rules for oak are given in Table 1.

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

Features	Class		
	○	Δ	□
<b>Sapwood</b>	Not permitted	Permitted	Permitted
<b>Knots</b> <sup>a</sup>	Not permitted	Not permitted	Permitted
<b>Checks</b>	Not permitted	Not permitted	Permitted
<b>Bark pocket</b>	Not permitted	Not permitted	Permitted
<b>Lightning shakes</b>	Not permitted	Not permitted	Permitted
<b>Slope of grain</b>	Permitted	Permitted	Permitted
<b>Biodeterioration</b>	Not permitted	Not permitted	Permitted
<b>Colour variation</b>	Large variation not permitted	Permitted	Permitted

<sup>a</sup> Sound knots not exceeding 2 mm in diameter and black knots not exceeding 1 mm in diameter are permitted, if they do not occur in clusters.

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### 5.2.2.2 For *Fraxinus excelsior* (ash) and *Fagus sylvatica* (beech)

Rules for ash and beech shall be as specified in Table 1 except for the specific features given in Table 2.

Table 2 — Classification for *Fraxinus excelsior* (ash) and *Fagus sylvatica* (beech)

Features	Class		
	○	Δ	□
<b>For ash:</b>			
<b>Sound brown heart</b>	Not permitted	Permitted	Permitted
<b>Sapwood</b>	Permitted	Permitted	Permitted
<b>For beech:</b>			
<b>Sound red heart</b>	Not permitted	Permitted	Permitted

**EN 14761:2006 (E)****5.2.3 Rules for vertical finger**

The vertical finger shall have no limitations regarding colour, knots and structure.

Sapwood and stain shall be permitted.

On the surface, decay and insect attack shall not be permitted.

**5.2.4 Free class**

The free class covers any species which may be used for wood flooring and for which hardness HB has a minimum mean value of 10 N/mm<sup>2</sup>. Hardness shall be measured according to EN 1534. The free class covers any classification which the producer wishes to offer or which is requested by the buyer. The proportions or limits of features shall be specifically indicated in the producer's literature/data sheets, in conformity with Annex B and stated according to Table B.1.

NOTE 10N/mm<sup>2</sup>: approximately 1kgf/mm<sup>2</sup>

**5.3 Moisture content**

Individual elements shall have a moisture content at the time of first delivery of the product of between 7 % and 11 %.

The moisture content shall be measured with an electric moisture meter in accordance with EN 13183-2. In case of dispute, the moisture content shall be determined by oven-drying in accordance with EN 13183-1.

**5.4 Geometrical characteristics (standards.iteh.ai)****5.4.1 General**

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All elements and laying units shall have their actual dimensions within the dimensions and permitted deviations specified to 5.4.2 to 5.4.4.

All dimensions are given at a reference moisture content of 9 %.

Unless there is evidence to the contrary, it shall be assumed that the thickness and width of a piece of timber increase by 0,25 % for every 1 % of moisture content above the reference moisture content, and decrease by 0,25 % for every 1 % of moisture content below the reference moisture content.

The methods of measurement of geometrical characteristics are given in EN 13647.

**5.4.2 Vertical finger**

The dimensions and permitted deviations for vertical finger are given in Table 3 and refer to Figures 1 and 2.

**Table 3 — Dimensions and permitted deviations for vertical t finger**

Dimensions and permitted deviations in millimetres

	<b>Thickness</b> <i>t</i>	<b>Width</b> <i>b</i>	<b>Length</b> <i>l</i>
<b>Dimensions</b>	20 to 35	6 to 8,5	115 to 165
<b>Permitted deviations</b>	± 0,2	± 0,3	± 0,2

NOTE The batch is composed of elements with the same nominal thickness and length

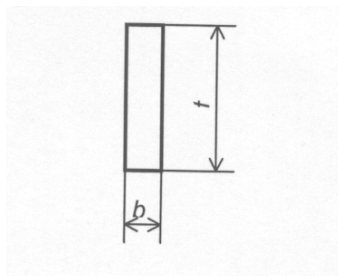


Figure 1 — Cross-section of a vertical finger



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Figure 2 — View of the face of a vertical finger

#### 5.4.3 Wide finger

The dimensions and permitted deviations for wide fingers are given in Table 4 and refer to Figures 3 and 4.

Table 4 — Dimensions and permitted deviations for wide fingers

Dimensions and permitted deviations in millimetres

	Thickness $t$	Width $b$	Length $l$
<b>Dimensions</b>	18	18 to 23	115 to 165
<b>Permitted deviations</b>	$\pm 0,2$	$\pm 0,2$	$\pm 0,2$