



SLOVENSKI STANDARD
SIST EN 14342:2005/oprA1:2008
01-januar-2008

Lesene talne obloge - Lastnosti, ovrednotenje skladnosti in označevanje

Wood flooring - Characteristics, evaluation of conformity and marking

Parkett und Holzfußböden - Eigenschaften, Bewertung der Konformität und Kennzeichnung

Planchers et parquets en bois - Caractéristiques, évaluation de conformité et marquage

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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 14342:2005/oprA1:2008 **en,de**

EUROPEAN STANDARD
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English Version

Wood flooring - Characteristics, evaluation of conformity and marking

Planchers et parquets en bois - Caractéristiques, évaluation de conformité et marquage

Parkett und Holzfußböden - Eigenschaften, Bewertung der Konformität und Kennzeichnung

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 175.

This draft amendment A1, if approved, will modify the European Standard EN 14342:2005. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Foreword

This document (EN 14342:2005/prA1:2007) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EC Directive(s), see informative Annex ZA, which is an integral part of this document.

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EN 14342:2005/prA1:2007 (E)**1 Modification to the scope**

In the first paragraph replace the first sentence with the following:

“This European Standard defines and specifies for wood and parquet flooring products the relevant characteristics, requirements and appropriate test methods to determine these characteristics when used as internal flooring, including enclosed public transport premises.”

In the 2nd paragraph replace "prEN 14761" with "EN 14761".

Replace the 3rd paragraph with the following:

“This European Standard provides also for the evaluation of conformity and the requirements for marking these products”.

Add after the 3rd paragraph the new following paragraph (i.e. 4th paragraph):

“This document covers also the wood and parquet flooring products which may be treated to improve their reaction to fire performance.”

Replace the 4th paragraph (i.e. 5th paragraph) with the following:

“This European Standard does not apply to the wood and parquet flooring products with tactile surfaces or to aid visibility, e.g. products with tactile or visible strip applied.”

2 Modification to Clause 2

Replace "EN 335-2, Durability of wood and wood-based products – Definition of hazard classes of biological attack – Part 2: Application to solid wood" with "EN 335-2:2006, Durability of wood and wood-based products - Definition of use classes - Part 2: Application to solid wood"

Replace "EN 12524" with "EN 12524:2000".

Replace "prEN 14761:2004" with "EN 14761:2006".

Replace "EN ISO 9001" with "EN ISO 9001:2000".

3 Modification to Clause 3

In the 1st paragraph, replace "prEN 14761:2004" with "EN 14761:2006".

Delete the 2nd paragraph (i.e. "Not applicable").

4 Modification to Clause 4

At the end of the title add "products" to read: "Performance characteristics required for wood and parquet flooring products".

A Modification to 4.1

Delete the first paragraph.

Replace the first part of the 2nd paragraph with the following:

"The equilibrium of the moisture content in the wood and parquet flooring products depends on the surrounding ..."

to read:

"The equilibrium of the moisture content in the wood and parquet flooring products depends on the surrounding temperature and relative humidity of the site before installation and on the service conditions."

In the 3rd paragraph, first sentence add before "products" the following: "the wood and parquet flooring"

to read:

"Dimensional characteristics of the wood and parquet flooring products shall be respected ..."

In the 3rd paragraph replace the last part of the last sentence "has to be indicated and it is linked to the type of use" with "shall be indicated and linked to the type of use" to read "Consequently, indications of use linked to the type of laying (nailed, glued, floating) shall be indicated and linked to the type of use."

Replace the NOTE with the following:

"The following characteristics, mentioned in the mandate issued to CEN by the European Commission and the European Free Trade Association, under the EU Construction Products Directive (see Annex ZA), listed hereafter are not relevant to wood and parquet flooring products used for internal floorings: release of asbestos, water tightness and tactility/visibility."

EN 14342:2005/prA1:2007 (E)**B Modification to 4.2**

At the end of the title add "products" to read: "List of performance characteristics required for wood and parquet flooring products".

Replace the 1st paragraph with the following:

"The following performance characteristics of a wood or parquet flooring product shall be determined and declared, taking into account whether such characteristics are relevant for the intended use of the product, which is subject to regulatory requirements."

C Modification to 4.3

Replace the existing paragraph with the following and add two new notes:

"The biological durability of the wood and parquet flooring products shall be classified using EN 335-1 and EN 335-2.

NOTE 1 Guidance on the relationship between penetration, retention (of the treatment product) and the application of the product into a particular Use Class is given in national documents which cross reference the appropriate European Standards (see EN 351-1, and National documents made specific for the biological agents found in the different Members states). Guidance on the relationship between natural durability and the application of the product into a particular Use Class is given in EN 460.

NOTE 2 For construction precautions as regard durability of wood and parquet flooring products see EN 335-2:2006, Annexes 3 and 4."

5 Modification to Clause 5

Replace the title of the clause with the following: "Determination and declaration of the performance characteristics"

A Modification to 5.1

Replace the 1st paragraph with the following three new ones:

"The reaction to fire performance of a wood and parquet flooring product shall either be tested and classified in accordance with EN 13501-1 or, in case the product meets the requirements given in Table 1¹⁾, may be classified without further testing (i.e. CWFT) in the appropriate classes shown therein.

When tested the product shall be mounted and fixed, in addition to any other specific provisions on this given in the test standards, also in a manner representative of its intended end use conditions.

The reaction to fire classes shall be declared, together with the mounting and fixing conditions when the product is tested and with the linked minimum mean density and the minimum overall thickness of the product, which is CWFT."

Add the following footnote 1) after "Table 1" in the first paragraph of 5.1:

"1) This table is the same as Table 1 in the Commission's Decision 2006/213/EC of 2006-03-06 (see OJEC L79 of 2006-03-16)."

The text of the seven footnotes to Table 1 shall be framed below this table.

Delete the NOTE, placed after the 7th footnote to Table 1.

B Modification to 5.2

Replace the 1st paragraph with the following:

"The formaldehyde release of the wood and parquet flooring product shall be determined and classified according to Annex A."

C Modification to 5.3

In the first paragraph, replace the first part of the 1st sentence with the following:

"Wood and parquet flooring products..." to read "Wood and parquet flooring products normally contain less than 5 ppm of pentachlorophenol (PCP)."

In the 2nd sentence of the 1st paragraph replace "in the country of use of the product" with "in the Member State(s) of intended use of the product" to read: "If the product contains raw materials that include PCP (may concern soft wood treated against blue stain), then the product shall be tested according to methods valid in the Member State(s) of intended use of the product."

Replace the text of the NOTE with the following:

"CEN/TR 14823 may be used to determine the content of PCP".

D Modification to 5.4

Replace the existing text with the following:

"If breaking strength of the wood and parquet flooring product is required, it shall be tested for the installation required according to EN 1533 depending on the risk, if any. The result shall be expressed and declared in terms of maximum load characteristic value, determined by using a static point load. The span of the product, as given in EN 1533 and associated with breaking strength, shall be declared in the marking (see Clause 7).

NOTE This characteristic is only relevant for the self supporting floorings."

EN 14342:2005/prA1:2007 (E)**E Modification to 5.5**

Replace the existing text with the following:

“Where subject to regulatory requirements the slipperiness value shall be determined and declared in accordance with the pendulum test described in EN 1339:2003, Annex J.”

F Modification to 5.6

Replace the 1st paragraph with the following:

“Where subject to thermal insulation regulatory requirements the thermal conductivity of the wood and parquet flooring product shall be either determined and declared according to EN 12664 or given by using tabulated values related to density as shown in Table 2, in line with EN 12524:2000.”

Replace the 2nd paragraph with the following:

“For a multi-layer wood and parquet flooring product the summation of the values of thermal resistance (i.e. reciprocal property of the thermal conductivity) for each layer shall be taken into account.”

Replace the 3rd paragraph with the following:

“The thermal resistance R ($\text{m}^2 \text{K/W}$) of a solid wood and parquet flooring product shall be determined by the following formula:”

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Replace the first sentence after the equation with the following:

“where t is the thickness of the wood or parquet flooring product in m λ is the thermal conductivity in W/m K.”

Replace the 4th paragraph with the following:

“The thermal resistance R ($\text{m}^2 \text{K/W}$) of a multi-layer wood and parquet flooring product shall be determined by the following formula: “

Replace the title of Table 2 with the following one:

“Table 2 – Thermal conductivity values for some of the wood-base panels used for the wood and parquet flooring products”

Add a reference to a new footnote “^b” at the end of “Thermal conductivity” in the title of the last column of Table 1.

At the bottom of the table add the following text for this footnote after the existing footnote ^a:

^a These values are in line with the values from EN 12524:2000.”

6 Modification to Clause 6

A Modification to 6.1

Replace the existing text with the following:

“The conformity of the wood and parquet flooring product with the requirements of this standard and with the declared values (including classes) shall be demonstrated by:

- initial type testing,
- factory production control by the manufacturer, including product assessment.”

B Modification to 6.2

In the title delete “or assessment”.

Replace the existing 1st paragraph with the following one:

“The initial type testing shall be performed to show conformity with this standard.”

In the 2nd paragraph replace “may be taken into account for initial type testing” with “may be taken into account for the purpose of the initial type testing.”

to read:

“Tests previously performed in accordance with the provisions of this standard (same product, same characteristic, test method, system of attestation of conformity, etc.) may be taken into account for the purpose of the initial type testing”.

In the 4th paragraph, third sentence, replace at the beginning “Where wood flooring products...” with “Where wood and parquet flooring products”

to read:

“Where wood and parquet flooring products are made from raw materials for which one or more of the characteristics in 4.2 and Clause 5 are already known (e.g. by the material being CE marked), the testing or assessment of such characteristics does not need to be repeated for the finished flooring product, as long as the manufacturing process does not change these characteristics.”