



SLOVENSKI STANDARD

SIST EN 13647:2003

01-oktober-2003

Wood and parquet flooring and wood panelling and cladding - Determination of geometrical characteristics

Wood and parquet flooring and wood panelling and cladding - Determination of geometrical characteristics

Holzfußböden und Wand- und Deckenbekleidungen aus Holz - Bestimmung geometrischer Eigenschaften

Planchers et parquets en bois et lambris et bardages en bois - Détermination des caractéristiques géométriques

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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 13647:2003

en

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EUROPEAN STANDARD

EN 13647

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2002

ICS 79.080

English version

Wood and parquet flooring and wood panelling and cladding - Determination of geometrical characteristics

Planchers et parquets en bois et lambris et bardages en
bois - Mesure des caractéristiques géométriques

Holzfußböden und Wand- und Deckenbekleidungen aus
Holz - Bestimmung geometrischer Eigenschaften

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 13647:2002) 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 the 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 document is one of a series of standards specifying requirements and test methods for wood and parquet flooring.

The measurements should be carried out as specified in this standard or with any other equipment or principles giving at least the same accuracy.

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EN 13647:2002 (E)**1 Scope**

This European Standard specifies methods of measuring the geometrical characteristics of wood and parquet flooring and wood panelling and cladding elements.

This European Standard does not specify sampling, which is intended to be found in the product standards or test methods and it does not apply to elements which are installed.

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 13756:2002, *Wood flooring – Terminology*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13756:2002 apply.

4 Principles**4.1 General**

The measurements shall be carried out only if relevant, taking the product standards into account.

4.2 Dimensions

The dimensions are determined by measuring any characteristic defined in the product standard and with appropriate tools.

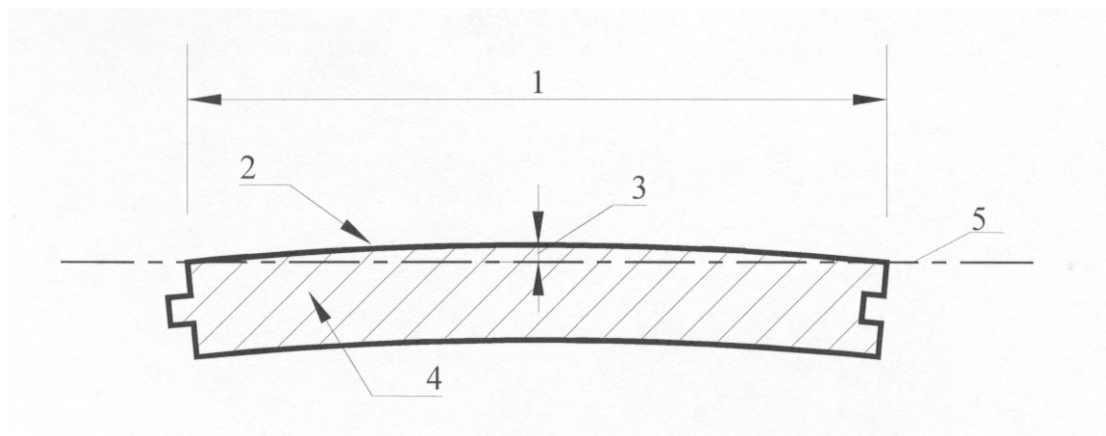
4.3 Angles

Determine square angles by measuring the distance (maximum value) between an edge of the element and the side of a square whose other side is in line with an adjacent edge of the element.

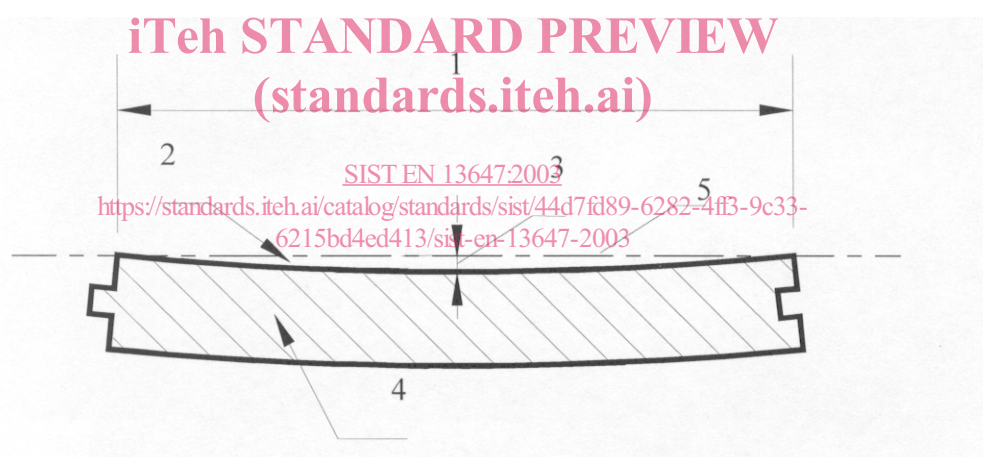
Determine other angles by the use of a protractor.

4.4 Warp**4.4.1 Cup**

Determine cup by measuring, at the middle of the width of the element, the maximum distance separating the face of the element from the reference line joining the top arrises of the edges of the element, see Figures 1 and 2.

**Key**

- 1 Width
- 2 Face
- 3 Cup
- 4 Cross section
- 5 Reference line

Figure 1 — Example of convex cup**Key**

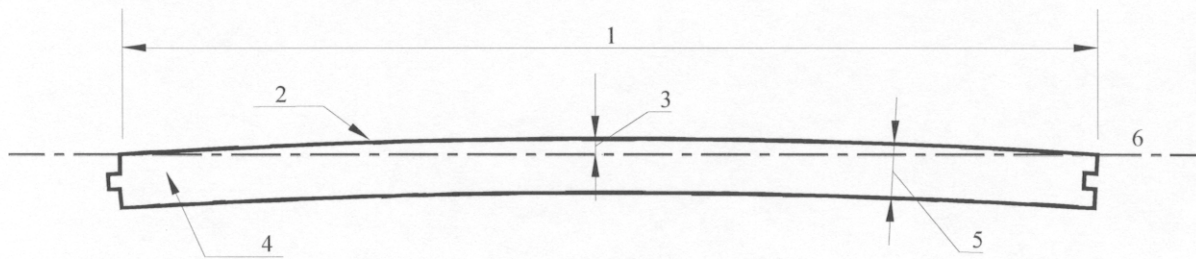
- 1 Width
- 2 Face
- 3 Cup
- 4 Cross section
- 5 Reference line

Figure 2 — Example of concave cup**4.4.2 Bow**

Determine bow by measuring, at the middle of the length of the element, the distance separating the face of the element from the reference line joining the end top arrises of the element, see Figures 3 and 4.

NOTE If the maximum bow is not in the middle of the length, the measurement can be carried out at the appropriate place and this should be mentioned in the report.

EN 13647:2002 (E)

**Key**

- 1 Length
- 2 Face
- 3 Bow
- 4 Edge
- 5 Thickness
- 6 Reference line

Figure 3 — Example of convex bow

NOTE For practical reasons convex bow may be measured in the same way on the back of the element.

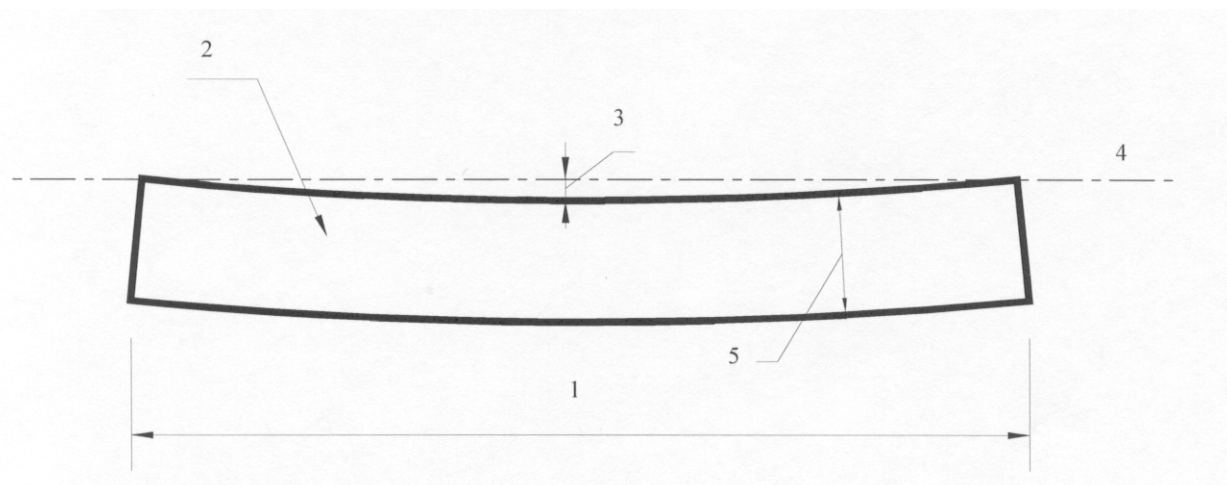
**Key**

- 1 Length
- 2 Face
- 3 Bow
- 4 Edge
- 5 Thickness
- 6 Reference line

Figure 4 — Example of concave bow**4.4.3 Spring**

Determine spring by measuring, at the middle of the length of the element, along the lengthwise edges of the element, the distance separating one edge from the reference line joining the two arrises of that edge, see Figure 5.

NOTE The measurement is usually carried out on the edge bearing the groove.

**Key**

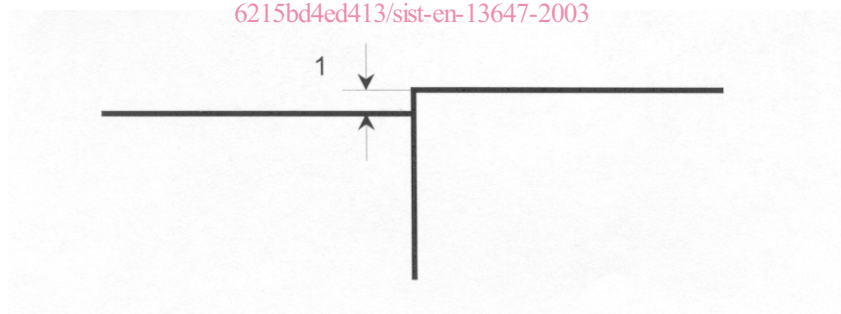
- 1 Length
- 2 Face
- 3 Spring
- 4 Reference line
- 5 Width

Figure 5 — Example of spring (element viewed from above)

4.5 Lipping

Determine lipping by measuring the difference in the levels of the face of two adjacent elements when they are assembled together, see Figure 6.

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**Key**

- 1 Lipping

Figure 6 — Example of lipping

5 Equipment**5.1 General**

The equipment specified in this standard is given as an indication. Any other equipment providing the same results with at least the same accuracy may be used.