



SLOVENSKI STANDARD

SIST EN 13647:2011

01-oktober-2011

Nadomešča:
SIST EN 13647:2003

Lesene talne obloge in lesen opaz ter lesne obloge zidu - Ugotavljanje geometrijskih lastnosti

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

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

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

<https://standards.iteh.ai/catalog/standards/sist/6f58cafa-77eb-4475-9bcc-cfb6d45ee4ee/sist-en-13647-2011>

Ta slovenski standard je istoveten z: EN 13647:2011

ICS:

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

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en,fr,de

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EUROPEAN STANDARD

EN 13647

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2011

ICS 79.080

Supersedes EN 13647:2002

English Version

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

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

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

This European Standard was approved by CEN on 14 April 2011.

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.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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EN 13647:2011 (E)**Foreword**

This document (EN 13647:2011) 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 November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13647:2002.

Compared with EN 13647:2002, the following modifications have been made:

- a) In 6.2, the NOTE has been completed,
- b) 6.3 has been improved,
- c) New presentation of 6.5, **iTeh STANDARD PREVIEW**
- d) New figures for 6.5.2 "Depth of the groove", **(standards.iteh.ai)**
- e) New figures for 6.5.3 "Width of the tongue", [SIST EN 13647:2011](#)
- f) New figures for "undercut" <https://standards.iteh.ai/catalog/standards/sist/6f58cafa-77eb-4475-9bcc-cfb6d45ee4ee/sist-en-13647-2011>
- g) Adding of accuracy of "length and width of the element" in 7.1.1,
- h) New values of "bow", in 7.4.2,
- i) New values of "spring" in 7.4.3

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This document is one of a series of standards specifying requirements and test methods for wood flooring and wood panelling and cladding.

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

1 Scope

This European Standard specifies methods of measuring the geometrical characteristics of wood 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

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 13756:2002, *Wood flooring – Terminology*

3 Terms and definitions

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

4 Principles

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4.1 General

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

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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.

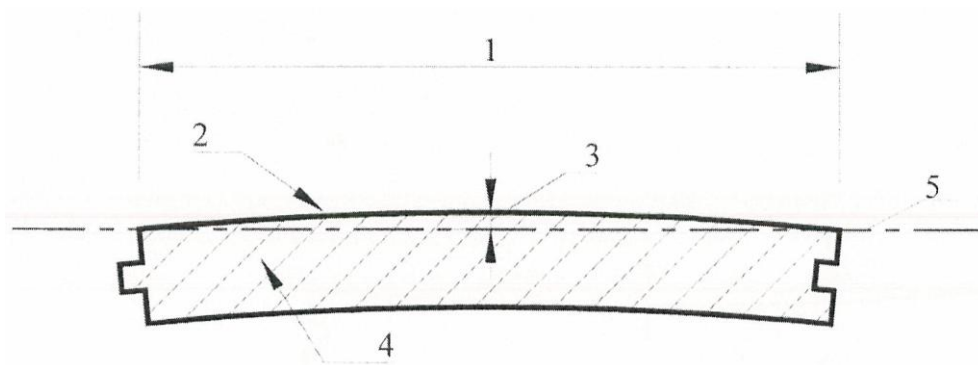
Determine other angles by the use of a protractor.

4.4 Warp

4.4.1 Cup

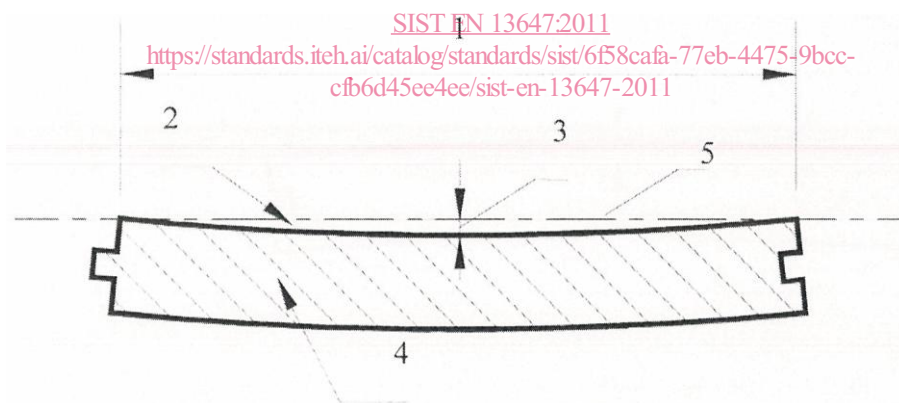
Determine cup by measuring, at the middle of the width of the element, the distance separating the face of the element from the straight reference line joining the top arises of the edges of the element, see Figures 1 and 2.

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**Key**

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

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

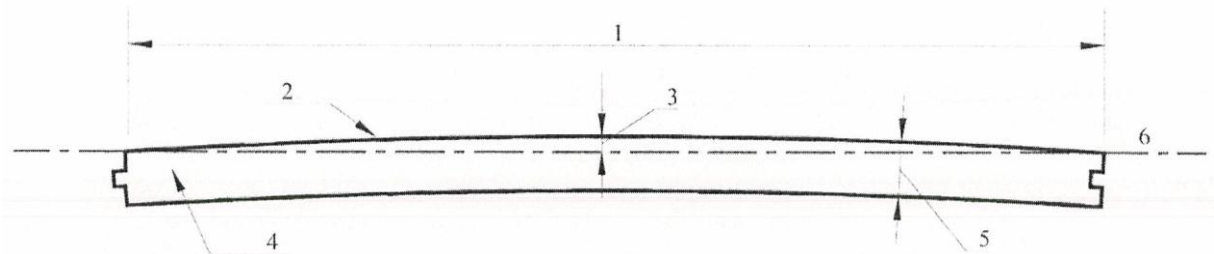
- 1 Width
- 2 Face
- 3 Cup
- 4 Cross section
- 5 Reference line

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 straight reference line joining the end top arises 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.



Key

1 Length

2 Face

3 Bow

4 Edge

5 Thickness

6 Reference line

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

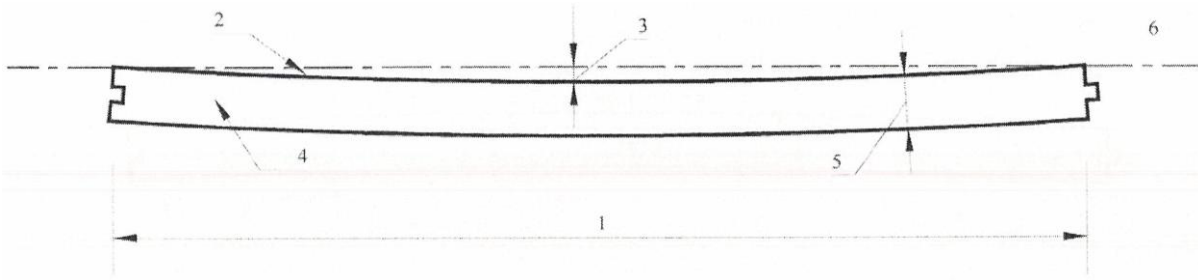
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Figure 3 – Example of convex bow

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**Key**

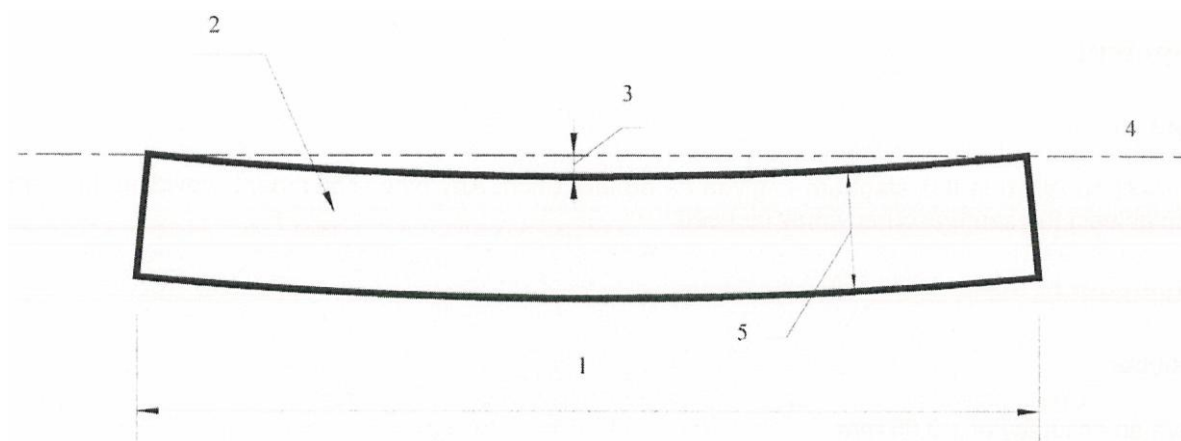
- 1 Length
- 2 Face
- 3 Bow
- 4 Edge
- 5 Thickness
- 6 Reference line

Figure 4 – Example of concave bow
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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 straight reference line joining the two arises 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

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Figure 5 – Example of spring (element viewed from above)
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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.