

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

## ESTI STANDARDI EESSÕNA

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ICS 79.080

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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EN 13647

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Supersedes EN 13647:2011

English Version

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

Planchers en bois, 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 12 March 2021.

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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  
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## Contents

	Page
<b>European foreword.....</b>	<b>3</b>
<b>Introduction .....</b>	<b>4</b>
<b>1 Scope .....</b>	<b>5</b>
<b>2 Normative references.....</b>	<b>5</b>
<b>3 Terms and definitions .....</b>	<b>5</b>
<b>4 Principles .....</b>	<b>5</b>
<b>4.1 General.....</b>	<b>5</b>
<b>4.2 Dimensions.....</b>	<b>5</b>
<b>4.3 Angles .....</b>	<b>5</b>
<b>4.4 Warp .....</b>	<b>5</b>
<b>4.5 Lipping .....</b>	<b>8</b>
<b>5 Equipment .....</b>	<b>9</b>
<b>5.1 General.....</b>	<b>9</b>
<b>5.2 Equipment to measure the dimensions .....</b>	<b>9</b>
<b>5.3 Equipment to measure angle values .....</b>	<b>9</b>
<b>5.4 Equipment to measure warp.....</b>	<b>10</b>
<b>6 Procedure.....</b>	<b>12</b>
<b>6.1 Dimensions and shape .....</b>	<b>12</b>
<b>6.2 Conditioning.....</b>	<b>12</b>
<b>6.3 Measurement and recording.....</b>	<b>12</b>
<b>6.4 Dimensions.....</b>	<b>12</b>
<b>6.5 Additional dimensions, if relevant.....</b>	<b>13</b>
<b>6.6 Angles .....</b>	<b>16</b>
<b>6.7 Warp .....</b>	<b>17</b>
<b>7 Expression of results.....</b>	<b>18</b>
<b>7.1 Dimensions.....</b>	<b>18</b>
<b>7.2 Additional dimensions, if relevant.....</b>	<b>18</b>
<b>7.3 Angle measurement .....</b>	<b>19</b>
<b>7.4 Warp .....</b>	<b>19</b>
<b>8 Test report.....</b>	<b>20</b>
<b>Annex A (informative) Apparatus for square cut elements.....</b>	<b>21</b>
<b>Annex B (normative) Test rig to measure cup.....</b>	<b>22</b>

## European foreword

This document (EN 13647:2021) 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 October 2021, and conflicting national standards shall be withdrawn at the latest by October 2021.

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

This document supersedes EN 13647:2011.

Compared with EN 13647:2011, the following modifications have been made:

- in lipping measuring;
- in dimensions measuring: thickness of the element, thickness of the top layer, depth and width of the groove, thickness and width of the tongue.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey 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 document or with any other equipment or principles giving at least the same accuracy.

## 1 Scope

This document specifies methods of measuring the geometrical characteristics of wood flooring and wood paneling and cladding elements.

This document 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 13756:2018, *Wood flooring and parquet — Terminology*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13756:2018 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

## 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 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.