



SLOVENSKI STANDARD SIST EN 324-1:1996

01-marec-1996

Wood-based panels - Determination of dimensions of boards - Part 1: Determination of thickness, width and length

Wood-based panels - Determination of dimensions of boards - Part 1: Determination of thickness, width and length

Holzwerkstoffe - Bestimmung der PlattenmaÙe - Teil 1: Bestimmung der Dicke, Breite und Länge

ITeH STANDARD PREVIEW

Panneaux a base de bois - Détermination des dimensions des panneaux - Partie 1: Détermination de l'épaisseur, de la largeur et de la longueur

[SIST EN 324-1:1996](https://standards.iteh.ai/catalog/standards/sist/79bbc43b-87fe-48fc-b99b-5b1c857fb82d/sist-en-324-1-1996)

Ta slovenski standard je istoveten z: **EN 324-1:1993**

ICS:

79.060.01 Š•} ^Á [[z ^Á æÁ] [z } [Wood-based panels in general

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en

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UDC 674.815:531.71

Descriptors: Wood-based panel, fibreboard, particleboard, plywood, OSB, cement-bonded particleboard, test method, dimensions of boards, thickness, width, length

English version

**Wood-based panels - Determination of dimensions
of boards - Part 1: Determination of thickness,
width and length**

Panneaux à base de bois - Détermination des
dimensions des panneaux - Partie 1:
Détermination de l'épaisseur, de la largeur et
de la longueur

Holzwerkstoffe - Bestimmung der Plattenmaße -
Teil 1: Bestimmung der Dicke, Breite und Länge

This European Standard was approved by CEN on 1992-12-15. 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.

The European Standards exist 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.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard was prepared by Working Group 4 "Common test methods" (Secretariat: United Kingdom) of Technical Committee CEN/TC 112, Wood-based panels (Secretariat: Germany).

The text is based on ISO 9426-1:1989 which has been elaborated with European participation.

This standard is one of a series of standards specifying methods of test for determining dimensions and properties of wood-based panels.

No existing European Standard is superseded.

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 1993, and conflicting national standards shall be withdrawn at the latest by December 1994.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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1 Scope

This European Standard specifies methods for measuring the thickness, width and length of wood-based panels. It applies to whole flat boards.

The methods for the determination of squareness and edge straightness are specified in EN 324-2.

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.

EN 322 Wood-based panels - Determination of moisture content

EN 326-1 Wood-based panels - Sampling, cutting and inspection
Part 1: Sampling and cutting of test pieces and expression of test results ¹⁾

3 Principle

Thickness, length and width of full size boards are determined by linear measurement.

4 Sampling

Sampling of panels shall be in accordance with EN 326-1.

5 Moisture content at time of measurement

Normally the dimensions of boards are measured in the as-received state.

If necessary the moisture content of the boards shall be determined in accordance with EN 322.

6 Conditioning

If necessary, the boards shall be conditioned to constant mass in an atmosphere with a relative humidity of $(65 \pm 5) \%$ and a temperature of $(20 \pm 2) ^\circ\text{C}$. Constant mass is considered to be reached when the results of two successive weighing operations, carried out at an interval of 24 h, do not differ by more than 0,1 % of the mass of the board.

1) At present at the draft stage

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7 Apparatus

7.1 Instrument for thickness measurement

Micrometer, or similar measuring instrument having flat and parallel circular measuring surfaces of (16 ± 1) mm diameter and an operating force of $4 \text{ N} \pm 1 \text{ N}$. The graduation of the apparatus shall allow a reading to 0,05 mm.

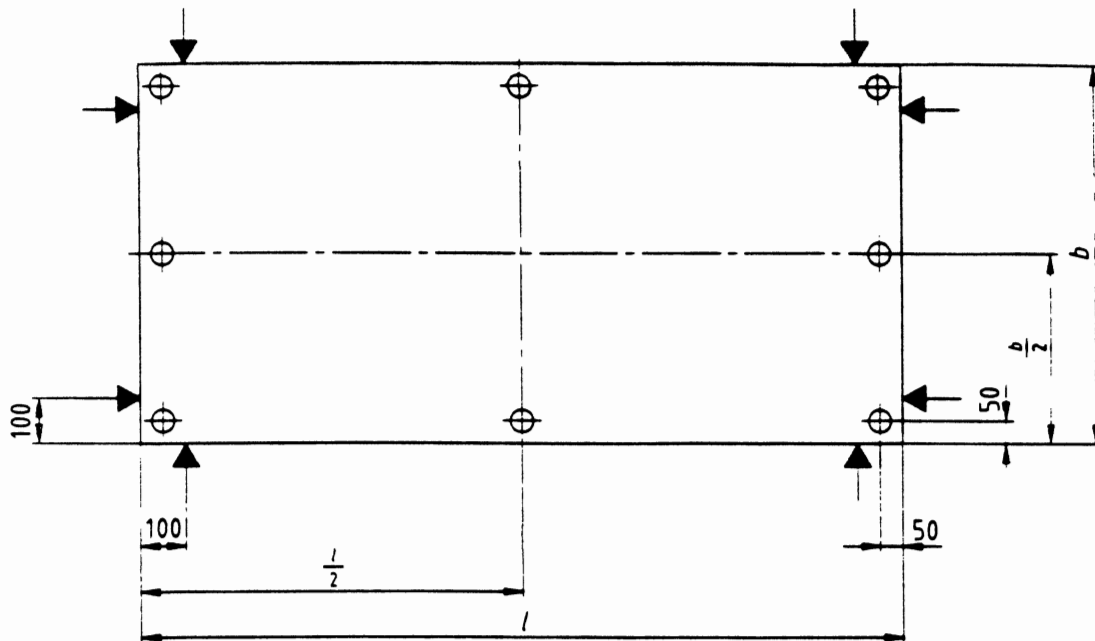


Figure 1: Points of measurement of thickness \oplus , length and width \rightarrow of a board

7.2 Measuring instrument for length and width measurement

Steel measuring tape, scale interval 1 mm.

8 Procedure

8.1 Determination of thickness of boards

Measure the thickness approximately 50 mm from the edges, at points located in each corner and in the middle of each side, i. e. at eight points in all (see figure 1), to an accuracy of 1 % of the thickness but to not less than 0,1 mm.

For measuring the thickness, apply the measuring surfaces of the instrument slowly to the panel surface.

8.2 Determination of length and width of boards

Measure both the length and width of each board along two lines parallel to and at a distance of 100 mm from the edges (see figure 1), to an accuracy of 0,1 % but not less than 1 mm.

9 Expression of results

9.1 Thickness

For each board tested, the arithmetic mean of the measurements shall be calculated and expressed to the nearest 0,1 mm.

9.2 Length and width

For each board tested, the arithmetic mean of the measurements shall be calculated and expressed for the length and the width to the nearest 1 mm.

10 Test report

As described in EN 326-1.

Annex A (informativ)

Bibliography

EN 309	Particleboards - Definition and classification
EN 313-1	Plywood - Classification and terminology Part 1: Classification
EN 316	Fibreboards - Definition, classification and symbols
EN 324-2	Wood-based panels - Determination of dimensions of boards Part 2: Determination of squareness and edge straightness
EN 633	Cement-bonded particleboards - Definition and classification ¹⁾
ISO 9426-1:1989	Wood-based panels - Determination of dimensions Part 1: Determination of thickness, width and length

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