



SLOVENSKI STANDARD

SIST EN 316:1996

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Vlaknene plošče - Definicija, klasifikacija in simboli

Wood fibreboards - Definition, classification and symbols

Holzfaserplatten - Definition, Klassifizierung und Kurzzeichen

Panneaux de fibres de bois - Définition, classification et symboles

Ta slovenski standard je istoveten z: EN 316:1993

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ICS:

79.060.20 Vlaknene in iverne plošče Fibre and particle boards

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EUROPEAN STANDARD

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English version

Wood fibreboards - Definition, classification and symbols

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Panneaux de fibres de bois - Définition, classification et symboles

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Holzfaserplatten - Definition, Klassifizierung und Kurzzeichen

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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 3 "Fibreboards" (Secretariat: Italy) of Technical Committee CEN/TC 112, Wood-based panels (Secretariat: Germany).

No existing European Standard is superseded.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of an identical text or by endorsement, at the latest by August 1993, and conflicting national standards shall be withdrawn at the latest by December 1994.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 gives the definition, classification and symbols for wood fibreboards.

2 Definition

Wood fibreboard (subsequently referred to as fibreboard):

Panel material with a thickness of 1,5 mm and greater, manufactured from lignocellulosic fibres with application of heat and/or pressure. The bond is derived from:

- either the felting of the fibres and their inherent adhesive properties,
- or from a synthetic binder added to the fibres,

Other additives may be included.

3 Classification

Fibreboards are classified according to their production process, as follows:

- Wet process fibreboards
- Dry process fibreboards

3.1 Wet process fibreboards

Fibreboards having a fibre moisture content of more than 20 % at the stage of forming. The following types are differentiated, according to their density:

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3.1.1 Softboards (density < 400 kg/m³)

These fibreboards have thermal and acoustic basic properties. They can be given additional properties, e.g. fire retardance, moisture resistance.

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3.1.2 Medium boards (density > 400 kg/m³ to < 900 kg/m³)

- low density medium boards (400 kg/m³ to < 560 kg/m³)
- high density medium boards (560 kg/m³ to < 900 kg/m³)

They can be given additional properties, e.g. fire retardance, moisture resistance.

3.1.3 Hardboards (density > 900 kg/m³)

They can be given additional properties, e.g. fire retardance, moisture resistance, resistance against biological attack, workability (e.g. mouldability).

3.2 Dry process fibreboards

Fibreboards having a fibre moisture content of less than 20 % at the forming stage, and having a density of > 600 kg/m³.

So-called "medium density fibreboards" (MDF) are produced with a synthetic adhesive under heat and pressure.

They can be given additional properties, e.g. fire retardance, moisture resistance, resistance against biological attack.



4 Symbols

The following symbols shall be used when marking the fibreboard types defined by this standard:

Board type	Symbol
Softboard	SB
Softboard with additional properties	SB.I
Low density medium board	MB.L
High density medium board	MB.H
High density medium board with additional properties	MB.I
Hardboard	HB
Hardboard with additional properties	HB.I
Medium density fibreboard	MDF
Medium density fibreboard with additional properties	MDF.I

NOTE: There are various ways (e.g. specific treatment, additives) of conferring additional properties (e.g. improved strength properties, improved moisture resistance) to fibreboards. Further information on this aspect is contained in the respective specifications for the concerned fibreboard types.

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