
Iverne plošče - Definicije in razvrščanje

Wood particleboards - Definition and classification

Holzspanplatten - Definition und Einteilung

Panneaux de particules de bois - Définition et classification

Ta slovenski standard je istoveten z: EN 309:1992

[SIST EN 309:1996](https://standards.iteh.ai/catalog/standards/sist/0e782232-59a5-4337-8048-4c771e0869c0/sist-en-309-1996)

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ICS:

79.060.20 Vlaknene in iverne plošče Fibre and particle boards

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EUROPEAN STANDARD

EN 309:1992

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1992

UDC 674.815:001.4

Descriptors: Wooden boards, particle boards, definitions, classifications

English version

Wood particleboards - Definition and classification

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

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Foreword

This European Standard was prepared by Working Group 1 "Particleboards" (Secretariat : Germany) of Technical Committee CEN/TC 112 "Wood-based panels" (Secretariat : Germany).

For this European Standard a mandate "Timber Structures" has been given to CEN by EC and EFTA in the framework of the Directive on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC).

The text is based on ISO 820 which has been developed with European participation.

National Standards identical to this European standard shall be published at the latest by 93-01-31 and conflicting national standards shall be withdrawn at the latest by 93-01-31.

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

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1 Scope

This European Standard gives a definition and a classification for particleboards.

2 Definition

Particleboard: Panel material manufactured under pressure and heat from particles of wood (wood flakes, chips, shavings, saw-dust, wafers, strands and similar) and/or other lignocellulosic material in particle form (flax shives, hemp shives, bagasse fragments and similar) with the addition of an adhesive.

NOTE: Particleboards with mineral binders are dealt with in other European Standards.

3 Classification

Particleboards can be classified according to different criteria, and it is impossible to give an absolute classification here. However, particleboards in this Standard are classified as follows:

3.1 According to the manufacturing process

- flat pressed
- drum pressed
- extruded
 - a) solid
 - b) with tubular holes

3.2 According to the state of surface

- as pressed (unsanded)
- sanded or planed
- coated (liquid coating, e. g. paint)
- surfaced under pressure with a solid material (e. g., veneer, impregnated decorative paper, decorative laminated sheet, foil)

3.3 According to the shape

- flat
- with profiled surface
- with profiled edge

3.4 According to the size and shape of particles

e. g.,

- chipboard
- waferboard
- oriented strand board (OSB)
- panels with other particles e. g. shives (flaxboard)

3.5 According to the board's structure

- single-layer boards
- multi-layer boards ¹⁾
- boards with graduated structure
- extruded boards with tubular holes (see 3.1)

3.6 According to the use

- general purpose boards
- boards for interior fitments (including furniture) in dry conditions
- load-bearing boards for use in construction
 - a) under dry conditions
 - b) under wet conditions
- special boards
 - a) heavy duty load-bearing boards
 - b) boards with improved resistance to biological attack
 - c) fire retardant boards
 - d) sound absorbing boards
 - e) others

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1) These may have different types of particles, with or without orientation of the particles in the different layers