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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Cement-bonded particleboards — Boards of Portland or equivalent cement reinforced with fibrous wood particles

*Panneaux de particules à liant ciment — Panneaux en ciment Portland ou équivalent renforcé par
des particules fibreuses de bois*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8335 was prepared by Technical Committee ISO/TC 77, *Products in fibre reinforced cement*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Cement-bonded particleboards — Boards of Portland or equivalent cement reinforced with fibrous wood particles

1 Scope and field of application

This International Standard specifies the characteristics of compressed cement-bonded particleboards and establishes the test methods for determination and control of the specified values.

These products are suitable for all internal applications, such as partitions, ceilings, etc.

For boards intended for applications exposed to the weather or moisture, special requirements apply (see 5.3).

2 References

ISO 390, *Asbestos-cement products — Sampling and inspection*.

ISO 1006, *Building construction — Modular coordination — Basic module*.

3 General composition

Cement-bonded particleboards consist essentially of a mixture of fibrous wood particles and Portland cement¹⁾, or other cements with equivalent properties, to which other fibres, fillers and pigments may be added.

Care should however be taken to exclude materials which have a deleterious effect on the product or its fastening (e.g. corrosion).

The fibrous wood particles are chips or shavings with typical sizes up to 15 mm in length, 3 mm in width and 0,3 mm in thickness, and used in amounts up to 30 % by dry weight.

This International Standard does not cover products made wholly or partly with magnesite binder.

4 General appearance and finish

The board shall have a dense structure with a smooth, flat surface on both sides.

5 Characteristics

5.1 Geometrical characteristics

5.1.1 Dimensions²⁾

The preferred standard range of sizes is as follows :

- a) length, l : 2 400 to 3 600 mm
- b) width, b : 900 to 1 250 mm
- c) thickness, e : $6 \text{ mm} < e < 40 \text{ mm}$

5.1.2 Tolerances on dimensions

Tolerances on dimensions are as follows :

- a) on length and width : $\pm 5 \text{ mm}$
(the measurement method is given in 6.2.2)
- b) on thickness :
 - $6 \text{ mm} < e < 12 \text{ mm}$: $\pm 1,0 \text{ mm}$
 - $12 \text{ mm} < e < 20 \text{ mm}$: $\pm 1,5 \text{ mm}$
 - $20 \text{ mm} < e$: $\pm 2,0 \text{ mm}$for sanded products : $\pm 0,3 \text{ mm}$
(the measurement method is given in 6.2.3)

5.1.3 Tolerances on shape

5.1.3.1 Straightness of edges

The tolerance on the straightness of edges is 1 mm/m for length and width. The measurement method is given in 6.2.4.

5.1.3.2 Squareness of edges

The tolerance on the squareness of edges is a maximum of 2 mm/m. The measurement method is given in 6.2.5.

1) As defined by national standards.

2) Other dimensions may be supplied by agreement between the purchaser and the manufacturer.