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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 24312-2022

Replacing GB/T 24312-2009

Cement-bonded particleboard

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

drafted.

This document replaces GB/T 24312-2009 "Cement Particleboard", compared with GB/T 24312-2009, except for structural adjustment and editorial

In addition to the changes, the main technical changes are as follows.

- a) delete the classification (see Chapter 4 of the.2009 edition);
- b) The commonly used nominal thickness is added (see 4.1.1);
- c) The degree of warpage is deleted (see Table 1 of the.2009 edition);
- d) increased flatness (see Table 1);
- e) Product classification is deleted (see 5.1, Table 3 and Table 4 of the.2009 edition);
- f) Density requirements are deleted (see Table 4 of the.2009 edition);
- g) The requirements for density deviation, smoke density and smoke toxicity in the board are added (see Table 3);
- h) Changed the requirements for combustion performance (see Table 3, Table 4 of the.2009 edition);
- i) deleted statistical calculations (see 6.1 of the.2009 edition);
- j) The test methods for length, width, thickness, verticality and edge straightness have been changed (see 5.1, 7.3 of the.2009 edition);
- k) The sampling and test pieces of physical and chemical properties have been changed (see Table 4, Table 5 of the.2009 edition);
- l) The test methods for density deviation, smoke density and smoke toxicity in the board are added (see 5.3.3);

m) Changed the inspection rules (see Chapter 6, Chapter 8 of the 2009 edition).

This document is drafted with reference to ISO 8336:2017 "Specifications and test methods for fiber-reinforced cement slab products".

Equivalent.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document defines the terms and definitions of cement particle board, specifies the requirements, test methods and inspection rules, marking, packaging and packaging, transportation and storage.

This document applies to non-load-bearing cement particle boards for construction.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 2828.1-2012 Counting Sampling Inspection Procedures Part 1. Lot-by-Lot Inspection Sampling Retrieved by Acceptance Quality Limit (AQL)

plan

GB/T 4897-2015 Particleboard

GB 8624-2012 Classification of combustion performance of building materials and products

GB/T 8627-2007 Test method for smoke density of burning or decomposing building materials

GB/T 17657-2013 Test methods for physical and chemical properties of wood-based panels and veneer wood-based panels

GB/T 18259-2018 Terms for wood-based panels and their surface decoration

GB/T 19367 Dimensional determination of wood-based panels

GB/T 20285-2006 Material Smoke Toxicity Hazard Classification

3 Terms and Definitions

The terms and definitions defined in GB/T 18259-2018 and the following terms and definitions apply to this document.

3.1

After mixing shavings, cement and other additives with water in a certain proportion, it is made by paving, pressurizing, drying and curing.

plate.

[Source. GB/T 18259-2018, 3.3.4]

3.2

The phenomenon that the four corners or edges of the wood-based panel are missing or damaged due to improper mechanical or human operation.

[Source. GB/T 18259-2018, 2.46]

3.3

partial softness

Local looseness caused by poor paving or poor bonding.

3.4

Partial breakage or fracture marks in the plate.