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

GB/T 35601-2024

**Green product assessment - Wood-based panels and wooden
flooring**

绿色产品评价 人造板和木质地板

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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 for standardization documents" Drafting. This document replaces GB/T 35601-2017 "Green Product Evaluation of Wood-Based Panels and Wood Floors" and is consistent with GB/T 35601-2017. In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) The definition of "artificial board" has been changed (see 3.1, 3.1 of the.2017 edition);
- b) The definition of "green product" has been deleted (see 3.3 of the.2017 edition);
- c) The basic requirements have been changed (see 4.1.1, 4.1.3, 4.1.4, and 4.1 of the.2017 edition);
- d) Change "benchmark value" to "evaluation index requirement" (see Table 1, Table 1 of the.2017 edition);
- e) Added "green benchmark products" and their "evaluation index requirements" (see Table 1, Table 1 of the.2017 edition);
- f) Changed the evaluation indicators and judgment basis for the requirements of raw materials such as wood, adhesives and coatings in "Resource Attributes" (See Table 1, Table 1 of the.2017 edition);
- g) Deleted the evaluation indicators and judgment basis of preservatives and pesticides, flame retardants and dyes in the "resource attributes" (see the.2017 edition of Table 1);
- h) Changed the evaluation index and judgment basis of energy consumption of wood-based

panels and wooden floors in "Energy attributes" (see Table 1,.2017 edition Table 1);

i) The evaluation indicators and judgment basis of "environmental attributes" have been changed (see Table 1, Table 1 of the.2017 edition);

1 Scope

China's national standard for assessing wood-based panels and wooden flooring as green products. It specifies the terms and definitions, the assessment requirements and the assessment methods, with an informative annex giving quality evaluation criteria for the main products. Green product assessment in the Chinese scheme is broader than a single-issue label: a product is judged across its resource use, its energy use, its emissions and its environmental and quality performance together, so that a panel cannot qualify by being low in formaldehyde while wasting fibre. For wood-based panels the emissions question dominates, because these are the products through which formaldehyde enters indoor air, and the Chinese limits have tightened repeatedly. But the resource question is arguably larger: particleboard and fibreboard are made from residues, thinnings and recovered wood, so they are the route by which material that would otherwise be burned becomes furniture and flooring.

This document specifies the evaluation requirements for green products of wood-based panels and wood flooring and describes the corresponding evaluation methods. This document is applicable to the green product evaluation of indoor artificial boards and wooden floors.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 14554 Emission standard of odor pollutants

GB/T 14732 Urea-formaldehyde, phenol-formaldehyde and melamine-formaldehyde resins for wood industry adhesives

GB/T 18259-2018 Terminology of wood-based panels and their surface decoration

GB 18581 Limits of Hazardous Substances in Wood Coatings

GB/T 19001 Quality Management System Requirements

GB/T 23331 Energy Management System Requirements and Usage Guide

GB/T 24001 Environmental Management System Requirements and Usage Guide

GB/T 28951 China Forest Certification Forest Management

GB/T 28952 China Forest Certification Chain of Custody

GB/T 29899 Test method for emission of volatile organic compounds from wood-based panels and their products - Small emission chamber method

GB/T 33042 Determination of heavy metal content of lead, cadmium, chromium and mercury in wooden floor facings

GB 33372 Limits of Volatile Organic Compounds in Adhesives

GB/T 33761 General principles for green product evaluation

2.1 Occupational exposure limits for hazardous factors in the workplace Part

1. Chemical hazardous factors GBZ 159 Sampling specifications for monitoring hazardous substances in workplace air GBZ /T 192.2 Determination of dust in workplace air Part

2. Respirable dust concentration GBZ /T 300 (all parts) Determination of toxic substances in workplace air

HJ1206-2021 Technical Guidelines for Self-Monitoring of Pollutant Discharge Units - Wood-Based Panel Industry LY/T 1451 Comprehensive energy consumption of fiberboard production LY/T 1529 Comprehensive energy consumption of ordinary plywood production LY/T 1530 Comprehensive energy consumption in particleboard production LY/T 1703 Comprehensive energy consumption of solid wood flooring production