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

LY/T 2555-2015

Replacing LY/T 2555-2015, LY/T 2559-2015

**Sound?absorbed wood?based panels
(English Translation)**

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Foreword

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

Drafting.

This document supersedes LY/T 2555-2015 "Wooden Sound Absorbing Boards" and LY/T 2559-2015 "Small Reverberation Chamber Method for Sound Absorption Measurement of Wood-based Panels".

Compared with LY/T 2555-2015 and LY/T 2559-2015, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The terms and definitions have been changed (see Chapter 3, Chapter 3 of LY/T 2555-2015, and Chapter 3 of LY/T 2559-2015).
 - b) The classification has been changed (see Chapter 4, Chapter 4 of LY/T 2555-2015);
 - c) The appearance quality requirements have been changed (see Chapter 5, Chapter 5 of LY/T 2555-2015);
 - d) Increased requirements for screw holding force, 24-hour water absorption rate, yellowing resistance, total volatile organic compounds, and natural radionuclides; and improved specimen preparation.
- And the testing methods (see 5.4, 6.4);
- e) Formaldehyde emission levels have been graded (see 5.4);
 - f) The test method for formaldehyde emission has been changed (see 6.4, 5.3 of LY/T 2555-2015).
 - g) The tool for measuring dimensions and deviations has been removed (see 6.2.1 of LY/T 2555-2015).
 - h) The specimen preparation method has been modified (see 6.4.1, 6.3.1 of LY/T 2555-2015).

i) The inspection classification, sampling, and judgment rules have been changed (see Chapter 7 of LY/T 2555-2015).

j) The identification has been changed (see 8.1, LY/T 2555-2015 8.1);

k) Appendix A and Appendix B have been added (see Appendix A and Appendix B).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical

Committee on Standardization of Wood-based Panels (SAC/TC 198).

1 Scope

This document defines the terminology and definitions for sound-absorbing engineered wood panels, and specifies the classification, requirements, inspection rules, and labeling, packaging, transportation, and storage procedures.

The question asks for a description of the corresponding testing method.

This document applies to the production, inspection, and trade of sound-absorbing engineered wood products.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

document.

GB/T 2828.1-2012 Sampling Procedures for Inspection by Attributes - Part 1: Lot-by-lot Inspection Sampling Indexed by Acceptable Quality Limit (AQL) plan GB/T 3240 Commonly Used Frequencies in Acoustic Measurement GB/T 3785.1 Electroacoustic sound level meters - Part 1: Specifications GB/T 3947-1996 Acoustic Terminology GB/T 4129-2003 Acoustics - Performance and calibration requirements of standard sound sources used for sound power level measurement GB 6566 Limits of Radionuclides in Building Materials GB 8624-2012 Classification of fire performance of building materials and products GB/T 17247.1-2000 Acoustics - Outdoor Sound Propagation Attenuation - Part 1: Calculation of Atmospheric Sound Absorption GB/T 17657-2022 Test methods for physical and chemical properties of wood-based panels and veneered wood-based panels GB/T 18102-2020 Impregnated Paper Laminate Wood Flooring GB/T 18259 Terminology for Wood-based Panels and Their Surface Decoration GB 18580 Formaldehyde Emission Limits in Wood-based Panels and Their Products for Interior Decoration and Renovation GB/T 18696.2-2002 Measurement of absorption coefficient and acoustic impedance in acoustic impedance tubes - Part 2: Transfer function method GB/T 19367-2022 Determination of dimensions of wood-based panels GB/T 20247-2006 Measurement of sound absorption in acoustic reverberation chambers GB/T 20441.4-2006 Measuring Microphones Part 4: Standard Operating Microphone Specifications GB/T 39600 Classification of Formaldehyde Emission from Wood-based Panels and Their Products GB/T 44690-2024 Classification of Volatile Organic Compound Emissions from Wood-based Panels and Their Products JG/T 357 Cement Wood Wool Board LY/T 1718 Low-density and ultra-low-density fiberboard LY/T 1787 Non-structural engineered wood SJ/T 10406-2016 General Specification for

Audio Power Amplifiers

3 Terms and Definitions

The terms and definitions defined in GB/T 3947-1996 and GB/T 18259, as well as the following terms and definitions, apply to this document.