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

GB/T 46826-2025

**Technical requirements for integrated load-bearing and
insulation wall panels and connecting accessories in low-rise
and mid-rise rural housing**

低多层农村房屋用承重保温一体化墙板及连接配件技术要求

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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. 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 by the Ministry of Housing and Urban-Rural Development of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Building Components (SAC/TC454). This document was drafted by: China Academy of Building Research Co., Ltd., China Railway Construction Corporation Limited, Guangxi Normal University, and Tongji University. Universities, the Science and Technology Development Center of the Ministry of Housing and Urban-Rural Development, Fuzhou Planning and Design Institute Group Co., Ltd., and China Railway Construction (Wuxi) Engineering Technology Development Co., Ltd., Jinxiao New Materials Technology (Zhejiang) Co., Ltd., China Railway Construction Engineering Group Co., Ltd., Anhui Construction Engineering Group Joint-stock company, China Construction Hailong Technology Co., Ltd., Shanghai Academy of Building Research Co., Ltd., China Building Materials Academy Limited Liability Company, China Academy of Building Research Co., Ltd., Aramco Far East (Beijing) Commercial Services Co., Ltd., Beijing Housing Construction Group Co., Ltd. The company, China Academy of Building Research Co., Ltd., Tianjin University Architectural Design and Planning Research Institute Co., Ltd., and Hefei Urban Construction Investment Holding Co., Ltd. Limited Liability Company, Beijing Municipal Administrative Center Investment and Construction Group Co., Ltd., Beijing Municipal Institute of Residential Building Design Co., Ltd., Beijing Municipal Institute of Architectural Design The Institute of Computing Technology Co., Ltd., Tianjin University, and

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1 Scope

GB/T 46826-2025 is the Chinese national standard covering the wall panel that carries the load and insulates in one element - with the connections between panels and to the floors, which is where a prefabricated house either behaves as a structure or does not. First edition, with GB/T 46824-2025 and GB/T 46825-2025. Issued on 2 December 2025, it has been in force since 1 July 2026.

This document specifies the classification, specifications, and marking of load-bearing and thermally insulated integrated wall panels and connecting accessories for low-rise and multi-story rural houses. General rules are required. The requirements, inspection rules, marking, storage and transportation are described, along with the corresponding testing and inspection methods. This document applies to load-bearing and thermal insulation integrated wall panels for low-rise and multi-story rural houses with 6 stories or less and a building height not exceeding 24m. And the production and inspection of connecting parts.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. 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. This document.

GB/T 228.1 Metallic materials - Tensile testing - Part

3 Welded Wire Mesh

GB/T 3098.1 Mechanical properties of fasteners - bolts, screws and studs

GB/T 3103.1 Fastener Tolerances - Bolts, Screws, Studs and Nuts

GB/T 3280 Stainless steel cold-rolled sheet and strip

GB/T 4226 Stainless Steel Cold-Worked Bars

GB/T 4237 Hot-rolled stainless steel plates and strips

GB/T 5486 Test methods for inorganic rigid thermal insulation products

GB/T 5780 Hex Head Bolts, Class C GB/T 5782 Hex head bolts

GB 8624 Classification of fire performance of building materials and products

GB/T 10294 Determination of steady-state thermal resistance and related properties of thermal insulation materials - Protective hot plate method

GB/T 13475 Determination, Calibration and Protection of Adiabatic Steady-State Heat Transfer Properties using the Hot Box Method

GB 13788 Cold-rolled ribbed steel bars

GB/T 13912 Technical requirements and test methods for hot-dip galvanized coatings on steel parts

GB/T 14981 Dimensions, shape, weight and permissible deviations of hot-rolled round bars