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

GB/T 46824-2025

**Rebar truss decks with permanent cement-based bottom
formwork for rural housing**

农村房屋用水泥基免拆底模钢筋桁架楼承板

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1 Scope

GB/T 46824-2025 is the Chinese national standard covering the floor deck that arrives with its reinforcement and its formwork already joined - laid, propped and concreted without the shuttering and stripping that a village builder has neither the equipment nor the labour to do properly. First edition, one of three rural housing standards issued together. Issued on 2 December 2025, it has been in force since 1 July 2026.

This document specifies the classification, designation, marking, general rules, requirements, and inspection regulations for cement-based, formwork-free reinforced steel truss floor slabs used in rural housing. The test methods are described, including marking, storage, and transportation. This document applies to the production and inspection of cement-based, formwork-free steel truss floor decks used in rural housing roof systems.

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 175 General Purpose Portland Cement

GB/T 846 Cross-head Countersunk Self-tapping Screws

GB 1499.1 Steel for reinforced concrete - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

8 Inspection Rules

9. Marking, storage and transport 11. Appendix A (Informative) Commonly Used Models and Specifications of Removable Floor Decking

12 Appendix B (Informative) Selection Instructions and Performance Design Requirements for Removable Floor Decking

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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., Fuzhou Planning and Design Institute Group Co., Ltd., and Guangxi Normal University, China Academy of Building Research Co., Ltd., China Railway Construction Corporation Construction Technology Co., Ltd., China Construction Hailong Technology Co., Ltd. Science and Technology Development Center of the Ministry of Housing and Urban-Rural Development, China Railway Construction Engineering Group Co., Ltd., and Xiamen Zhonggou New Materials Technology Co., Ltd. The company, Beijing University of Science and Technology, Shanghai Academy of Building Research Co., Ltd., Beijing Construction Engineering Group Co., Ltd., and China Construction Second Engineering Bureau. Engineering Bureau Co., Ltd., Beijing University of Aeronautics and Astronautics, Xi'an Municipal Housing Security Construction Management Co., Ltd., Shanghai Architectural Design & Research Institute Co., Ltd. Poly (Beijing) Real Estate Development Co., Ltd., Tianjin University. The main drafters of this document are. Xiao Ming, Han Wenlong, Lin Gongbo, Lü Wanning, Xu Chuanyang, Liang Zhanshuo, Sun Tongtong, Zhou Jian, Qiu Cheng, Zhao Wei, and Xu Qingfeng. Chen Caihua, Ma Xinbo, Zheng Sujing, Xu Xiaotong, Jiang Anwei, Zhao Baojun, Hu Lili, Li Sheng, Li Wei, Hou Chuanchuan, Jiang Wenwei, Liu Dehui, Jiang Hangjun Wang Yingjie, Peng Zhixiong, Yang Erbin, Xiao Mingtu, Chen Shuohui, Zhai Lei, Sun Weizhen, Li Changming, Zhou Dehai, Liu Jianfei, Zhou Yuankai, Xing Wanli, Dai Jing Yan Lei, Leng Yubing, Hu Song, Tang Yuexing, Wang Quanbin, Ma Mingfeng, Wang Jingxi, Li Bohao, Chen Mingrui, Li Jinyu. Cement-based non-removable bottom formwork for rural houses Steel truss floor deck