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**GB/T 47052-2026**

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**Bamboo woven geogrid**

竹编土工格栅

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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 National Forestry and Grassland Administration. This document is under the jurisdiction of the National Bamboo and Rattan Standardization Technical Committee (SAC/TC263). This document was drafted by: Guangdong Jianzhong New Bamboo Material Technology Co., Ltd., Guangdong Dingju Construction Engineering Co., Ltd., and Zhongkai University of Agriculture and Engineering. International Bamboo and Rattan Centre, Guangdong Academy of Forestry Sciences, Chaozhou Yellow River Industry Co., Ltd., Hainan Railway Co., Ltd., China Academy of Building Research Research Institute Co., Ltd., China Railway 23rd Bureau Group Co., Ltd., China Railway 18th Bureau Group Co., Ltd., China Railway 16th Bureau Group First Engineering Co., Ltd. The company, Guangdong Provincial Construction Engineering Group Co., Ltd., Chaozhou Municipal Institute of Quality and Metrology Supervision and Testing, and Chaozhou Architectural Design Institute Co., Ltd. The company, China Railway 19th Bureau Group Third Engineering Co., Ltd., China Railway 17th Bureau Group Co., Ltd., Beijing Beijing University Architectural Design & Research Institute Co., Ltd. The company, Zhejiang Jiuchuan Bamboo and Wood Co., Ltd., Chaozhou Biodiversity Conservation Research Center, and Shantou University. The main drafters of this document are. Xie Yihui, Wu Gengming, Qiu Xiuping, Liu Yicun, Liu Xianmiao, Fang Changhua, Ma Hongxia, Li Bin, Xie Rui, and Peng Shaobo. Chen Shuqing, Guo Wei, Guo Zhengwei, Wang Guoyou, Zhang Yong, Xie Xiangming, Lin Jianwei, Hou Xiaodong, Huang Demin, Li Fenghua, Dong Xiangyu, Liang Pidong, Cao Min, Zhou Songzhen, Weng Zhenjian, and Wu Xiangyong.

Bamboo grows rapidly, is renewable and sustainable, and its materials are of good quality, low-carbon, environmentally friendly, and biodegradable, thus providing a solution for reducing plastic pollution. A nature-based sustainable solution. Since its introduction, bamboo-woven geogrid has attracted domestic attention due to its excellent toughness, strong corrosion resistance, and pollution-free properties. The market's attention aligns with the current era's concept of replacing plastic with bamboo and promoting environmental protection and carbon reduction. This document highlights the crucial role of green biomass materials for geotechnical engineering in the green and environmentally friendly development of geotechnical engineering both domestically and internationally. Its function is one of the standards for bamboo woven geogrid series products, providing technical support for the production, distribution, and engineering construction of bamboo woven geogrid products. in accordance with. This document describes bamboo-woven geogrids suitable for projects such as highways, ordinary roads, railways, airports, squares, bridge abutments, docks, ports, and embankments. It is suitable for foundation laying and reinforcement, as well as slope protection for rivers, lakes, mountains, and dams. It is also applicable to agricultural facilities such as fences and sheds, and "three" (likely referring to specific types of structures or facilities). The "Northern" Shelterbelt Project. Bamboo geogrid

## 1 Scope

GB/T 47052-2026 is the Chinese national standard covering the woven bamboo geogrid - reinforcement for embankments and slopes made from a plant that grows back in four years, with its tensile strength and creep, its junction strength and its durability in soil. First edition. It was issued on 28 January 2026 and has been in force since 1 August 2026, as a first edition. The document is under the responsibility of the National Forestry and Grassland Administration. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the models, technical requirements, inspection rules, marking, packaging, transportation, and storage of bamboo-woven geogrids, and describes... The corresponding testing methods. This document applies to the production, inspection, sales, and market application of bamboo-woven geogrids.

## 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 2828.1-2012 Sampling Procedures for Inspection by Attributes - Part

### 3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 bamboo split The bamboo tube is longitudinally split into narrow, long sheets containing both the green and yellow parts of the bamboo. [Source: GB/T 36394-2018, 2.1.8]

3.2 Using bamboo strips as the main raw material, and after preliminary treatment to prevent corrosion, insects, and termites, the bamboo strips are woven into a planar grid structure for engineering applications. Grille. See Figure 1. Figure