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

GB/T 47095-2026

Green product assessment - Roofing tiles

绿色产品评价 屋面瓦

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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 jointly proposed by the China Building Materials Federation and the National Green Product Evaluation Standardization General Group. This document is under the jurisdiction of the National Technical Committee on Standardization of Building Materials for Walls, Roofs and Roads (SAC/TC285). This document was drafted by: China National Testing & Inspection Holding Group Xi'an Co., Ltd., China Railway Construction Port & Navigation Bureau Group Co., Ltd., and Fanchang County. Xiang Ceramics Co., Ltd., China National Institute of Standardization, China Railway Construction Group East China Engineering Co., Ltd., China National Testing & Inspection Holding Group Shaanxi Co., Ltd. Limited Company, Fujian Rongsheng Construction Development Co., Ltd., Anhui Shengyang New Building Materials Technology Co., Ltd., Zhejiang Tengyu Construction Co., Ltd., Beijing Guojianlianxin Certification Center Co., Ltd., Taizhou Branch of Zhejiang Yicheng Testing Co., Ltd., Beijing Ruituo Electronic Technology Development Co., Ltd. China Power Construction Group Jiangxi Provincial Hydropower Engineering Bureau Co., Ltd., China National Testing & Inspection Holding Group Anhui Co., Ltd., Xi'an Wall Materials Research and Design Institute China Academy of Engineering Technology Co., Ltd., Huaneng Longdong Energy Co., Ltd., China Railway 23rd Bureau Group Co., Ltd., and China Railway Construction Group Co., Ltd. The main drafters of this document are. Bai Hubin, Lin En, Zhao Lei, Li Guiqiang, Yang Xinzhi, Wang Delin, Zhang Yujiao, Li Wen, Zhang Shaofeng, and Quan Zonggang. Zhu Tao, Li Peng, Wang Zurun, Chen Fengjin, Tang Liquan, Wu Fujun, Yan Xiaobo, Ren Xiangyang, Kong Wei, Yi Jie, Xu Bingsheng, Huang Huateng, Zhu Yi, Guo Shasha Ren Yanfeng, Yang Yang, Jing Cheng, Li Zhonghe, Wang Dapeng, Xue Xiaoqiang, Sun Dapeng, Liu Yanlong, Liu Chenkun, Lin Ling, Liu Jing, Gao Bei. Green

product evaluation roofing tiles

1 Scope

GB/T 47095-2026 is the Chinese national standard covering roofing tiles assessed as green - the raw materials and the recycled content, the firing energy for clay and concrete tiles, the durability and life, and the solar reflectance that lowers the cooling load of the building beneath. First edition, with the other green building product assessments of this batch. 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 China Building Materials Federation. 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 evaluation requirements for green roofing tile products and describes the evaluation methods. This document applies to the green product evaluation of sintered tiles, concrete tiles, fiber cement tiles, and glass fiber magnesium cementitious tiles.

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 2589 General Rules for Calculating Comprehensive Energy Consumption

GB 6566 Limits of Radionuclides in Building Materials

GB 8978 Integrated Wastewater Discharge Standard

GB/T 9195 Terminology and Classification of Building and Sanitary Ceramics

GB/T 9772 Fiber cement corrugated sheets and their ridge tiles

GB 12348 Emission Standard for Environmental Noise at the Boundary of Industrial Enterprises

GB/T 18916.64 Water withdrawal quota, Part

64. Building and sanitary ceramics

GB/T 19001 Quality Management System Requirements

GB/T 21149 Sintered Tiles

GB 21252 Energy Consumption Limits per Unit Product for Building Sanitary Ceramics and Wear-Resistant Alumina Balls

GB/T 23331 Energy Management System Requirements and Usage Guidelines

GB/T 24001 Environmental Management Systems Requirements and Guidance for Use

3 Terms and Definitions

The following terms are defined in GB/T 9195, GB/T 21149, GB/T 24067, GB/T 33761, JC/T 746 and JC/T 747.