

ICS 13.020.10

CCS Z 04



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

GB/T 47103-2026

Green product assessment - Paving building products

绿色产品评价 道路用建筑制品

Issued on: January 28, 2026

Implemented on: August 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Evaluation Requirements	2
9 Appendix C (Informative) Example 13 of a carbon footprint report for road construction products Reference	17

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 National Institute of Standardization, and China Railway Construction Urban Construction and Transportation Development Co., Ltd. Limited Liability Company, Changda Municipal Engineering (Guangdong) Co., Ltd., China Railway Construction Kunlun Road & Bridge Construction Co., Ltd., China Railway Sixth Group Co., Ltd., North China China University of Water Resources and Hydropower, China National Testing & Inspection Group Shaanxi Co., Ltd., Xiyuefa International Environmental Protection New Materials Co., Ltd., Suzhou Baishui Cement Products Co., Ltd., Hami Green Building Environmental Protection Technology Materials Co., Ltd., China Railway Sixth Group Beijing Railway Construction Co., Ltd., Chang'an University, Beijing Hualuan Transportation Technology Co., Ltd., Shandong Expressway Engineering Construction Group Co., Ltd., Shandong Expressway Co., Ltd., China Merchants Group Chongqing Transportation Research and Design Institute Co., Ltd., Shenzhen University, Shandong Datong Construction Group Co., Ltd., Ningxia Transportation Research Institute Co., Ltd. Company, Xuzhou Transportation Engineering General Contracting Co., Ltd., Xinjiang Junzhi Construction Engineering Co., Ltd., Xinjiang Beixin Road & Bridge Group Co., Ltd. Sichuan Provincial Transportation Construction Group Co., Ltd., Xi'an Wall Materials Research and Design Institute Co., Ltd., Beijing Urban Construction Huasheng Transportation Construction Co., Ltd. Company, Shanxi Fenghe Low-Carbon Materials

Technology Development Co., Ltd., China Construction Second Engineering Bureau Co., Ltd., Shanxi No.1 Construction Group Co., Ltd., Inner Mongolia Guluqiao Group Co., Ltd., Hangzhou Sanyang Construction Group Co., Ltd., Xinjiang Longtaida Environmental Protection Building Materials Technology Development Co., Ltd., Beijing Guojianlianxin Certification Center Co., Ltd., China Railway Bridge Engineering Bureau Group Co., Ltd., Zhejiang Xingchuang Environmental Protection Group Co., Ltd., Xinjiang Tian Xingweijian Construction Group Co., Ltd., Beijing Jingang Road Engineering Construction Co., Ltd., China Communications Construction Second Highway Engineering Bureau Fifth Engineering Co., Ltd., Zhejiang Tengyu Construction Co., Ltd., Hubei Provincial Industrial Construction Group Co., Ltd., China Construction Third Engineering Bureau Group South China Co., Ltd., China Railway Eleventh Bureau Group Seventh Engineering Co., Ltd. Limited Liability Company, China Railway 25th Bureau Group Fifth Engineering Co., Ltd., Beijing Municipal Road and Bridge Technology Development Co., Ltd., China Railway Urban Construction Group Second Construction Team Engineering Co., Ltd., Hubei Gongjian Hongtu Construction Co., Ltd., Guangxi Jiaotong Technology Co., Ltd., Heze Urban Construction Engineering Development Group Co., Ltd. Dezhou Pengtong Highway Engineering Co., Ltd., Guangzhou Machinery Construction Group Co., Ltd., Dongying Port Development Group Co., Ltd., and Wuhan University of Technology. The main drafters of this document are. Zhang Haiyan, Zhu Yi, Li Wen, Li Guijun, Guan Lin, Wang Chaohui, Guo Teng, An Peng, Li Guiqiang, Zhang Yujiao, and Zhang Shaofeng. Jing Cheng, Yin Chunxiao, Yuan Jun, Wang Yanshuai, Wang Pan, Zhang Chongyang, Liu Baowei, Zhou Leiyang, Li Yong, Li Zhenxia, Chen Yuanzhao, Wang Chao, Zhan Yuexiang, Zhou Mingli, Chen Qian, Wen Penghui, Liu Xiaobin, Yan Shuming, Xu Bingsheng, Zhao Lei, Chen Yuanyuan, Wang Hao, Li Min, Zhang Xin, Zhang Bin, Yang Zhiming, Du Enhua, Liu Li Xie Bin, Liu Puqian, Yan Zongling, Zhao Yongfei, Liu Chengtao, Jiang Xidong, Ning Shikai, Yan Lei, Zhou Xuefang, Ma Chunwang, Shen Yongfei, Gong Zhande, Dang Yan Chen Faming, Yang Lihui, Shao Zhang, Shen Hui, Sun Fayuan, Yue Xiufang, Wu Fujun, Zhao Haiyang, Xue Cheng, Gao Haichen, Liu Zhiping, Li Xueyuan, Yan Xiaobo Zhang Qingrui, Wen Yiping, Zhang Yingliang, Wang Zhenjie, Zhou Changxin, Cao Huaidong, Zhao Yang, Wang Lubo, Sun Hongtao, Chen Zhonghui, Guo Changlong, Zhang Pan, Zhou Guiqing Ling Feng, Yuan Xiangping, Shi Junwei, Wang Xiaoxiao, Chen Xin, Liu Guiling, Hu Yang, Hao Shuang, Zhen Li, Li Yi, Xiong Shangyang, Wang Junsheng, Li Guozhen, Liu Wenbiao Gao Jian, Sun Xiaolei, Li Guangping, Yan Guobi, Wang Jian, Liu Yu, Wang Bo, Ye Jiabin, Liu Qiguo, Lin Ling, Wu Bing, Li Wenke, Yang Pingxi, Li Xiangguo. Green product evaluation for road construction products

1 Scope

GB/T 47103-2026 is the Chinese national standard covering paving products assessed as green - the recycled and industrial by-product content, the binder, the permeability where it is a sponge-city product, the durability that decides how often the pavement is rebuilt, and

the emissions of making it. First edition, with GB/T 47630-2026 on permeable paving test methods. 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 products used in road construction and describes the evaluation methods. This document applies to concrete paving bricks, sintered paving bricks, permeable paving bricks and permeable pavement panels, tactile guide bricks, and concrete curbs. Green product evaluation of stone, etc.

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 6566 Limits of Radionuclides in Building Materials

GB 8978 Integrated Wastewater Discharge Standard

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

GB/T 19001 Quality Management System Requirements

GB/T 23331 Energy Management System Requirements and Usage Guidelines

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

GB/T 24067 Requirements and Guidelines for Quantifying the Carbon Footprint of Greenhouse Gas Products

GB/T 24789 General Rules for the Configuration and Management of Water Metering Instruments for Water Users

GB/T 24851 Requirements for the Configuration and Management of Energy Measuring Instruments in the Building Materials Industry

GB/T 25993 Permeable paving bricks and permeable paving panels

GB/T 26001 Sintered Paving Bricks

GB/T 28635 Concrete Paving Bricks

GB/T 31350 Guidelines for the Configuration and Management of Energy Metering

Instruments in Sintered Wall and Roofing Material Enterprises

3 Terms and Definitions

The following are defined in GB/T 25993, GB/T 26001, GB/T 28635, GB/T 33761, GB/T 38107 and JC/T 899, and are also included in the standard.

chinastandards.org - PREVIEW