

ICS 13.020.10

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

GB/T 35605-2024

Green product assessment - Wall material

绿色产品评价 墙体材料

Issued on: October 26, 2024

Implemented on: May 1, 2025

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

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 35605-2017 "Green Product Evaluation of Wall Materials". Compared with GB/T 35605-2017, except for the structural In addition to adjustments and editorial changes, the main technical changes are as follows:

a) The terms "comprehensive energy consumption per unit product of wall materials" and "solid waste" have been deleted, and the term "waste disposal rate" has been added (see Section

3 Chapter 3 of the.2017 edition);

b) Modified some provisions of the "Basic Requirements" (see 4.1, 4.1 of the.2017 edition);

c) The name of the product category has been changed (see 4.1.4.2, 4.2 of the.2017 edition);

d) Modified some indicators and requirements of "resource attributes", "energy attributes", "environmental attributes" and "quality attributes" (see Tables 1 to 5, Tables 2 to 6 of the.2017 edition);

e) Added "low-carbon attribute" indicators and requirements (see Tables 1 to 5);

f) The calculation methods of "Raw Materials Localization Degree" and "Wastewater Discharge per Unit Product Production" have been deleted, and "Solid Waste Addition The calculation method of "quantity" is provided in Appendix A of the.2017 edition. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was jointly proposed by the China Building Materials Federation and the National Green

Product Evaluation Standardization Overall Group. This document is under the jurisdiction of the National Technical Committee for Standardization of Building Materials for Walls, Roofs and Roads (SAC/TC285). This document was drafted by: China National Testing and Inspection Holding Group Xi'an Co., Ltd., Anhui Weidong Building Materials Co., Ltd., Zhejiang Qiushi Industrial Co., Ltd. Cheng Testing Co., Ltd., Inner Mongolia Jianheng Green Materials Technology Co., Ltd., China National Institute of Standardization, Zhejiang Hongshiliang Group New Building Materials Co., Ltd. Sheng Yongxiang, Liu Yi, Kong Zuofan, Xu Haoran, Yu Liangyun, He Zhenguo, Wen Kunbo, Qiu Yuxiao, Zhang Heqi, Yang Shanwu, Cheng Yan, Cao Hengyou, Xu Guangrong, Li Xing, Ishi Chuan, Sun Xiaoguang, Shi Feiyun, Wang Lan, Lei Jian, Zhang Hailiang, Cao Hui, Zhang Yanhui, Dong Lijie, Yang Xiaojun, Liu Wenshuai, He Jingzi, Mu Qingyan, Zhang Haiyan, Hui Xijian, Luo Jie, Chen Wenlong, Guo Jianbo, Wang Xinpeng, Gao Hong, Zhou Chengyan, Li Mengfei, Yan Lizhen, Qiang Anpeng, Bai Hubin, Guo Zhenzhi, Lu Yu, Hou Tianhan, Chen Hao, Wu Weidong, Hong Pingqing, Tian Li, Zhang Shuai, Zeng Haoxuan, Lu Jianhong, Yuan Fusen, Cheng Tingjie, Zhang Yujiao, Zheng Chuanwei, Yan Xiaobo, Chen Jingyuan, Lian Zhen, Jiang Yini, Yu Jiasheng, Tao Yutong, Tao Xinkun, Sui Weihua, Jiang Jin, Chu Jianxun, Wang Zhengwei, Yang Zhigang, Jiang Wei, Hu Xin, Xin Jianzhong, Zeng Yonglin, Liang Dong, Jiang Bin, Liu Yong, Yang Bingcheng, Yao Guosheng, Wang Hua, Jiang Feng, and Li Hongtao. This document was first published in 2017 and this is the first revision. Green product evaluation wall materials

1 Scope

GB/T 35605-2024 is the Chinese green product assessment standard for wall materials, covering the bricks, blocks, panels and boards from which buildings are walled. It matters more than most green product standards because of the scale involved: wall materials are made and consumed in hundreds of millions of tonnes, their firing and curing is energy intensive, and the substitution of fired clay brick by blocks incorporating industrial solid waste has been Chinese policy for decades, which this label is one of the instruments of. The standard sets the basic requirements a product must satisfy before assessment, covering legal compliance, pollutant discharge and energy consumption limits, and then the evaluation indicators grouped as resource attributes, including the proportion of industrial solid waste used, energy attributes, environmental attributes covering emissions and the radioactivity of the material, and quality attributes covering strength, durability, thermal performance and dimensional accuracy, each with its limit and its test or verification method, together with the evaluation method and the rules for a claim. It takes effect on 1 May 2025.

This document specifies the evaluation requirements and methods for green product evaluation of wall materials. This document applies to the green product evaluation of bricks, blocks and wall panels for industrial and civil building walls.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 2542 Test methods for wall bricks

GB/T 2589 General rules for calculation of comprehensive energy consumption

GB 5085.3 Identification Standard for Hazardous Wastes - Identification of Leaching Toxicity

GB 6566 Limits of radionuclides in building materials

GB 8978 Comprehensive Wastewater Discharge Standard

GB/T 9978.1 Fire resistance test methods for building components Part

3 Terms and Definitions

The terms and definitions defined in GB/T 18968 and GB/T 33761 and the following apply to this document.