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

GB/T 46593-2025

**Guidelines for greenhouse gas information disclosure -
Building material enterprises**

温室气体信息披露指南 建材企业

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Disclosure Principles
- 5 Disclosure Methods
- 7 Flat Glass Manufacturers
- 8 Cement Production Enterprises
- 9 Ceramic Manufacturing Enterprises

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 China Building Materials Federation. This document was jointly prepared by the China Building Materials Federation (609) and the National Technical Committee on Carbon Emission Management Standardization (SAC/TC548). Under the jurisdiction of the relevant authorities. This document was drafted by: Beijing Guojianlianxin Certification Center Co., Ltd., Foshan Huanqiu Power Equipment Co., Ltd., and Foshan Dongpeng Ceramics. Limited Liability Company, Ziyun Qianguan Power Equipment Co., Ltd., Jiangshan Hejiashan Cement Co., Ltd., Huaxin Cement Co., Ltd., Beijing Industrial University, Environmental Defense Fund Beijing Office, Xinjiang Tianshan Cement Co., Ltd., Hefei Cement Research and Design Institute Co., Ltd., Zhejiang Zili High Temperature Technology Co., Ltd., Sichuan Provincial Transportation Survey and Design Institute Co., Ltd., Zhonglin Green Carbon (Beijing) Technology Co., Ltd. Beijing Dongfang Zongheng Certification Center Co., Ltd., Yuepuhu Urban and Rural Design Institute Co., Ltd., Flat Glass Group Co., Ltd., Hebei Jin Longyuan Cement Group Co., Ltd., Qiannianzhou New Material Technology Group Co., Ltd., China Construction Sixth Engineering Bureau Civil Engineering Co., Ltd., China Construction Third Engineering Bureau Group Limited Liability Company, Fengte (Zhejiang) New Materials Co., Ltd., Xinchuangxin International Certification Co., Ltd., Building Materials Industry Quality Certification Management Center. The main drafters of this document are. Li Jinmei, Fang Qun, Yu Zhixun, Chen Shiqing, Yu Yaxiang, Zheng Rihua, Yang Hongbing, Gong Xianzheng, Zhao Xiaolu, and Zhu Zhe. Liu

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1 Scope

GB/T 46593-2025 is the Chinese national standard covering what a cement or glass works should publish about its emissions - the boundary and the scopes covered, the intensity figures alongside the absolute ones, the targets and the progress against them, and the assurance and comparability of what is disclosed. First edition, with the management system guidance GB/T 46783-2025. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document provides guidelines on the principles, methods, and content of greenhouse gas information disclosure for building materials companies. This document is intended to guide building materials companies in disclosing greenhouse gas information during their production and operations.

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

GB/T 26450 Environmental Management - Guidelines and Examples for Environmental Information Communication

GB/T 32150 General Rules for Greenhouse Gas Emission Accounting and Reporting by Industrial Enterprises

GB/T 32151.7 Carbon Emission Accounting and Reporting Requirements Part

3 Terms and Definitions

The terms and definitions defined in GB/T 26450 and GB/T 32150, as well as the following terms and definitions, apply to this document.

3.1 Greenhouse gases (GHG) Naturally occurring and human-generated elements in the atmosphere that can absorb and disperse pollutants produced by the Earth's surface,

atmosphere, and clouds.

7 Flat Glass Manufacturers

GB/T 32151.8 Carbon Emission Accounting and Reporting Requirements Part

8 Cement Production Enterprises

GB/T 32151.9 Carbon Emission Accounting and Reporting Requirements Part

9 Ceramic Manufacturing Enterprises

GB/T 32151.35 Greenhouse Gas Emission Accounting and Reporting Requirements - Part

35.Glass Fiber Product Manufacturers

GB/T 32151.36 Greenhouse Gas Emission Accounting and Reporting Requirements - Part

36.Insulation Material Manufacturers

GB/T 32151.37 Greenhouse Gas Emissions Accounting and Reporting Requirements -
Part

37.Sintered Building Materials for Walls, Roofs and Roads manufacturing enterprises

GB/T 32151.38 Greenhouse Gas Emission Accounting and Reporting Requirements Part

38.Cement Product Manufacturing Enterprises

GB/T 32151.39 Greenhouse Gas Emission Accounting and Reporting Requirements - Part

39.Building Gypsum Production Enterprises

GB/T 32151.40 Greenhouse Gas Emission Accounting and Reporting Requirements - Part

40.Manufacturers of Building Waterproofing Materials

GB/T 33756 Technical Specification for Project-Based Greenhouse Gas Emission
Reduction Assessment - Raw Material Substitution Projects for Cement Clinker Production

GB/T 33760 General Requirements for Technical Specifications of Project-Based
Greenhouse Gas Emission Reduction Assessment ISO 14064-