

ICS 13.020.10

CCS Z04



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

GB/T 35610-2024

Green product assessment - Ceramic tiles (boards)

绿色产品评价 陶瓷砖（板）

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 35610-2017 "Green Product Evaluation of Ceramic Tiles (Boards)". In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2017 edition);
- b) Deleted the terms and definitions of "unit product comprehensive energy consumption", "environmental product declaration" and "carbon footprint" (see 3.1,.2017 version) 3.2, 3.3);
- c) The method of "product classification" has been deleted (see Chapter 4 of the.2017 edition);
- d) Changed the requirements for "Product Packaging" (see 4.1.1.1, Table 1 of the.2017 edition);
- e) The requirement for "Green Supply Chain Management" has been deleted (see 5.1.1.1 of the.2017 edition);
- f) Changed the requirements for "clean energy" (see 4.1.1.2, 5.1.1.2 of the.2017 edition);
- g) Changed the requirements for "advanced technology and process" (see 4.1.1.2, 5.1.1.2 of the.2017 edition);

h) The requirements for "basic performance of products" have been changed (see 4.1.2, 5.1.2 of the 2017 edition);

1 Scope

GB/T 35610-2024 is the Chinese green product assessment standard for ceramic tiles and boards. Tile is fired at high temperature in enormous volume, which makes it one of the most energy intensive building products in use, and the industry has moved toward thinner and larger formats precisely because they cut the material and the firing energy per square metre. The standard sets the basic requirements a product must satisfy before assessment, covering compliance, pollutant discharge and energy consumption, and then the evaluation indicators grouped as resource attributes including the thickness and mass per unit area and the use of industrial solid waste in the body, energy attributes covering the firing and drying energy, environmental attributes covering the emissions, the wastewater and the recycling of process waste, and quality attributes covering the water absorption, strength, wear and slip resistance and the radioactivity of the finished tile, each with its limit and its 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 products of ceramic tiles (boards). This document applies to the green product evaluation of ceramic tiles (boards).

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 2589 General rules for calculation of comprehensive energy consumption

GB/T 3810.6 Test methods for ceramic tiles - Part

6 Determination of wear depth of unglazed tiles

GB/T 3810.7 Test methods for ceramic tiles - Part

7 Determination of surface abrasion resistance of glazed tiles

GB/T 3810.13 Test methods for ceramic tiles - Part

13 Determination of resistance to chemical corrosion

GB/T 3810.14 Test methods for ceramic tiles - Part

14 Determination of stain resistance

GB/T 4100-2015 Ceramic Tiles

GB 6566 Limits of radionuclides in building materials

GB/T 9195 Terminology and classification of building sanitary ceramics

GB 12348 Industrial Enterprise Boundary Ambient Noise Emission Standard

GB 17167 General Rules for the Provision and Management of Energy Metering Instruments in Energy-consuming Units

GB/T 19001 Quality Management System Requirements

GB 21252 Energy consumption limits per unit product for building sanitary ceramics and wear-resistant alumina balls GB/T 23266 Ceramic Plate

GB/T 23331 Energy Management System Requirements and Usage Guide

GB/T 23458 Ceramic tiles for squares

GB/T 24001 Environmental Management System Requirements and Usage Guide

GB/T 24789 General rules for the provision and management of water metering instruments in water-using units

GB/T 24851 Requirements for the provision and management of energy metering instruments in the building materials industry

GB 25464 Ceramic Industry Pollutant Emission Standard

GB/T 27972 Dry-hanging hollow ceramic panels