

ICS 81.080

CCS Q41



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

GB/T 2608-2025

Silica refractory bricks

硅砖

Issued on: August 1, 2025

Implemented on: February 1, 2026

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

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 2608-2012 "Silica Bricks". Compared with GB/T 2608-2012, 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.2012 edition);
- b) The definition of melt index has been changed (see 3.1, 3.1 of the.2012 edition);
- c) Added the JG-95H grade of silica bricks for coke ovens and its physical and chemical indicators (see 4.1 and Table 3);
- d) The shape and size requirements of silica bricks have been changed (see 4.2, 4.2 of the.2012 edition);
- e) The technical requirements for general silica bricks (see 5.1 of the.2012 edition) have been deleted;
- f) Modified some physical and chemical indicators of silica bricks for glass kilns (see Table 1, Table 3 of the.2012 edition);
- g) Modified some physical and chemical indicators of silica bricks for coke ovens (see Table 3, Table 5 of the.2012 edition);
- h) Modified some physical and chemical indicators of silica bricks for hot blast furnaces (see Table 5, Table 7 of the.2012 edition);

1 Scope

GB/T 2608-2025 is the Chinese national standard on silica refractory bricks, in the field of glass and ceramics industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 81.080, CCS Q41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

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 2992.1 Refractory bricks - Shapes and dimensions - Part

GB/T 2997 Test method for bulk density, apparent porosity and true porosity of dense shaped refractory products

GB/T 5071 Test method for true density of refractory materials

GB/T 5072 Test method for compressive strength of refractory materials at room temperature

GB/T 5073 Test method for compressive creep of refractory materials

GB/T 5988 Test method for permanent linear changes of refractory materials during heating

GB/T 5990 Test method for thermal conductivity, specific heat capacity and thermal diffusivity of refractory materials (hot wire method)

GB/T 6901 Chemical analysis methods for siliceous refractories

GB/T 7320 Test method for thermal expansion of refractory materials

GB/T 7321 Preparation method of test specimens for shaped refractory products

GB/T 10325 Rules for acceptance sampling and inspection of shaped refractory products

GB/T 10326 Inspection methods for dimensions, appearance and cross-section of shaped refractory products

GB/T 16546 General provisions for packaging, marking, transportation, storage and quality certification of shaped refractory materials

GB/T 18930 Terminology of Refractory Materials

GB/T 20511 Rules for classification of refractory products

3 Terms and Definitions

The terms and definitions defined in GB/T 18930 and the following apply to this document.

3.1 melt index meltindex The mass fraction of aluminum oxide $w(\text{Al}_2\text{O}_3)$ and twice the sum of the mass fractions of potassium oxide $w(\text{K}_2\text{O})$ and sodium oxide $w(\text{Na}_2\text{O})$, that is, $w(\text{Al}_2\text{O}_3) + 2[w(\text{K}_2\text{O}) + w(\text{Na}_2\text{O})]$.