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

GB/T 23454-2025

Replacing GB/T 23454-2009

Stone plate for vanity and countertop and windowsill

石材台面板

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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.

This document replaces GB/T 23454-2009 "Natural Stone Countertops for Bathrooms". Compared with GB/T 23454-2009, except for the structure...

Aside from adjustments and editorial changes, the main technical changes are as follows.

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the 2009 edition);
- b) Added material classifications for engineered stone countertops and quartz stone countertops (see 4.2.1);
- c) Added classification by application (see 4.2.2);
- d) A schematic diagram of the window sill fabrication has been added (see 5.1.1);
- e) Added requirements for the back mesh of the platform panel (see 5.1.2);
- f) Increased requirements for tabletop protection (see 5.1.3);

- g) The tolerance parameters for the length, width, and thickness of the standard table panel have been modified (see 5.2.1, 2009 version 5.2.1);
- h) The requirements for front appearance defects have been changed (see 5.5.2, 2009 version 5.5.2);
- i) The specular gloss requirement for granite countertops has been changed (see 5.6.1, 2009 version 5.6.1);
- j) Added requirements for the specular gloss of other stone, engineered stone, and quartz countertops (see 5.6.3);
- k) The technical performance requirements for countertop materials have been revised, adding material properties for resin-based and inorganic engineered stone and quartz countertops.

Requirements (see 5.7.1, 5.7 in the 2009 edition);

- l) Added performance requirements and test methods for tabletop products (see 5.7.2 and 6.6.4~6.6.9);
- m) Added anti-mold, antibacterial, and safety requirements for countertop products with anti-mold and antibacterial functions (see 5.7.3);
- n) The diagram for measuring tabletop thickness has been revised (see 6.1.1, 2009 version of 6.1.1);
- o) The flatness measurement method has been changed (see 6.2, 2009 edition of 6.2);
- p) The test methods for bulk density, water absorption, and flexural strength have been modified (see 6.6.1 and 6.6.2, 2009 editions of 6.6.1 and 6.6.2);
- q) A table of type testing and factory inspection items has been added (see 7.1).

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.

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This document was first published in 2009, and this is its first revision. Stone countertop

1 Scope

This document specifies the naming, product classification and marking, technical requirements, test methods, inspection rules, and marking and packaging of stone countertops.

Loading, transporting and storing.

This document applies to all types of countertops made from natural stone and synthetic stone.

5.1 General Requirements

5.1.1 The specifications of the countertop and the processing shape of the decorative edges and sides shall be determined through negotiation between the supplier and the buyer. Common washbasin boards and kitchen boards are assembled...

The components and names of each part are shown in Figure 1, and the schematic diagram of the window sill processing is shown in Figure 2.

5.1.2 Reinforced backing mesh should be affixed to the back of washboards and kitchen panels made of marble and other processed stone. The adhesives used for repair and bonding should be carefully selected.

The adhesive used should meet the requirements of GB/T 24264.

5.1.3 The board material shall be protected with a suitable protective agent, which shall meet the requirements of GB/T 32837.

5.2 Dimensional Deviation

5.2.1 The dimensional deviation of the standard tabletop shall conform to the provisions of Table 1, and the position design of the holes shall meet the safety requirements.

5.2.2 The allowable dimensional deviations of irregularly shaped tabletops shall be determined through negotiation between the supplier and the buyer.

5.3 Flatness Tolerance

The flatness tolerance of the countertop should conform to the specifications in Table 2. Special requirements such as the washboard being concave with symmetry around the center of the basin opening, etc., shall be negotiated between the supplier and the buyer. Sure.