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

GB/T 24977-2024

Replacing GB/T 24977-2010

General technical requirements for bathroom furniture

卫浴家具通用技术条件

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Foreword

This document was issued on 29 June 2024 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 January 2025.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies.

The document runs to 24 pages in translation. The identification, the dates, the table of contents and the clauses reproduced on this page are taken from the standard itself.

GB/T 24977-2024 General technical requirements for bathroom furniture

It replaces GB/T 24977-2010, which is superseded.

1 Scope

GB/T 24977-2024 is the Chinese general standard for bathroom furniture: vanity units, mirror cabinets, wall and floor cabinets and the tops fitted to them. It is a category with one dominant failure mode, water, and the standard is written around it. It sets the classification and the requirements on the materials and their suitability for a wet environment, the requirements on the surface finish and edge sealing, which is where a panel starts to swell,

the appearance and workmanship, the dimensional requirements, the mechanical requirements covering the strength, durability and stability of the cabinet, the doors, the drawers and their runners and the wall fixings, the performance of the top including its resistance to water, heat, staining and chemicals, the moisture resistance and dimensional stability tests that stand in for years of use, the requirements on mirrors and any fitted lighting and electrical parts, and the limits on formaldehyde and other harmful substances, together with the test methods, the inspection rules and the marking, packaging, transport and storage. The 2024 edition replaces GB/T 24977-2010.

This document specifies the product classification, basic requirements, safety requirements, installation requirements, inspection rules, packaging, transportation, storage and use instructions for bathroom furniture, and describes the test methods for the relevant requirements.

This document is applicable to the quality control during the production, installation, inspection and sales of furniture used in toilets and bathrooms; for the furniture used in other similar places, it may serve as a reference.

2 Normative references

The following documents contain requirements which, through reference in this text, constitute provisions of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 250 Textiles - Tests for color fastness - Grey scale for assessing change in color

GB/T 1043.1 Plastics - Determination of charpy impact properties - Part 1:
Non-instrumented impact test

GB/T 1732 Determination of impact resistance of coating films

GB/T 2411-2008 Plastics and ebonite - Determination of indentation hardness by means of a durometer (shore hardness)

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 3324-2017 General technical requirements for wooden furniture

GB/T 4893.1 Test of surface coatings of furniture - Part 1: Determination of surface resistance to cold liquids

GB/T 4893.2 Test of surface coatings of furniture - Part 2: Determination of surface resistance to wet heat

GB/T 4893.3 Test of surface coatings of furniture - Part 3: Determination of resistance to

dry heat

GB/T 4893.4 Test of surface coatings of furniture - Part 4: Determination of adhesion - Cross cut

GB/T 4893.7 Test of surface coatings of furniture - Part 7: Determination of surface resistance to alternation of heat and cold

GB/T 4893.8-2023 Test of surface coatings of furniture - Part 8: Determination of resistance to abrasion

GB/T 4893.9 Test of surface coatings of furniture - Part 9: Determination of resistance to impact

GB/T 6739 Paints and varnishes - Determination of film hardness by pencil test

GB/T 9286 Paints and varnishes - Cross-cut test

GB/T 10357.1-2013 Test of mechanical properties of furniture - Part 1: Strength and durability of tables

GB/T 10357.2 Test of mechanical properties of furniture - Part 2: Stability of chairs and stools

GB/T 10357.3 Test of mechanical properties of furniture - Part 3: Strength and durability of chairs and stools

GB/T 10357.4 Test of mechanical properties of furniture - Part 4: Stability of storage units

GB/T 10357.5 Test of mechanical properties of furniture - Part 5: Strength and durability of storage units

GB/T 16422.2-2022 Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc sources

GB/T 17657-2022 Test methods of evaluating the properties of wood-based panels and surface decorated wood-based panels

GB 18584 Limit of harmful substances of furniture

GB/T 26696-2011 Polymer board for furniture

GB 28008 Technical specification for the safety of furniture structure

GB/T 28202-2020 Furniture industry terminology

JC/T 2116-2012 Non-ceramic sanitary ware

MZ/T 119-2018 Assistive products for showering - Shower chairs

QB/T 1950 Determination of resistance to water of furniture surface coatings

QB/T 2658-2017 Lavatory for sanitary fittings

QB/T 3826 Corrosion-resistant testing method of the metal deposits and conversion coatings for the light industrial products - Neutral salt spraying test (NSS)

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 28202-2020 and GB/T 3324-2017 and the following apply.

3.1

bathroom furniture

cabinet racks, chairs and stools with storage and other functions used in a toilets or bathroom, which are used for supporting and/or facilitating lavatory, dressing, showers, toileting, and/or lamp heating

Note: The facilitating furniture includes lavatory, vanity mirror, mirror lamp, and the like. See Annex A for the examples of cabinet/rack bathroom furniture and equipment components. See Annex B for the main standards of common accessories of bathroom furniture.

3.2

transfer film

heat transfer film

transfer film composed of plastic film backing paper, decorative wood grain printing layer, surface protective layer, base color layer, mould release layer, hot melt adhesive layer, etc., or decorative layer formed by transferring the decorative wood grain printing layer on the transfer film to the surface of a component by a high-temperature silicone rubber roller

[Source: GB/T 28202-2020, 5.130]