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

**GB 45671-2025**

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**Safety technical specifications for construction waterproof  
coatings**

建筑防水涂料安全技术规范

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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 is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Industry and Information Technology of the People's Republic of China. Safety technical specification for building waterproof coatings

### 1 Scope

GB 45671-2025 is the Chinese national standard on safety technical specifications for construction waterproof coatings, in the field of construction materials and building. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 25 April 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2025. Classification: ICS 91.120.30, CCS Q 17. 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.

This document specifies the safety technical requirements for building waterproof coatings and describes the test methods. This document is applicable to flexible waterproof coatings, cement-based waterproof materials and other liquid, two-component liquid powder, dry powder for construction projects. Type waterproof material.

### 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 267 Determination of flash point and fire point of petroleum products (open cup method)

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB 8624 Classification of combustion performance of building materials and products

GB/T 8626 Test methods for flammability of building materials

GB/T 16777-2008 Test methods for building waterproof coatings

GB/T 18244-2022 Test method for aging of building waterproof materials

GB 18583 Limits of harmful substances in adhesives for interior decoration and renovation materials

GB/T 35468-2017 Root penetration resistant waterproof membrane for green roofs

GB/T 41078-2021 Test methods for harmful substances in building waterproof materials

GB/T 50082 Test method for long-term performance and durability of concrete DL/T

5126-2021 Test procedure for polymer modified cement mortar JGJ/T

70 Standard for test methods of basic properties of building mortar JG/T 245 Concrete test vibration table

### 3 Terms and definitions

The following terms and definitions apply to this document.

**3.1 Flexible waterproof coating** It is in liquid or paste state before construction, and can be solidified through cooling, volatilization and reaction after construction to form a coating with a certain thickness and flexibility. Waterproof material.

Note. Including water-based waterproof coatings, reactive polymer waterproof coatings, solvent-based waterproof coatings, and hot-melt waterproof coatings. See Appendix A for related product categories.

**3.2 Waterborne waterproof coating** A flexible waterproof coating that uses water as a dispersion medium and solidifies into a film by expelling water through volatilization or reaction.

Note. Includes polymer emulsion waterproof coatings and water-based polymer asphalt waterproof coatings.