

ICS 91.120.30

CCS Q17



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

GB 45320-2025

**Safety and general technical specifications for construction
waterproof sheets**

建筑防水卷材安全和通用技术规范

Issued on: March 28, 2025

Implemented on: October 1, 2025

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Thickness and unit area mass of bituminous waterproofing membranes
- 20 Peeling properties of bitumen waterproofing membrane joints

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. 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 and general technical specifications for building waterproofing membranes

1 Scope

GB 45320-2025 is the Chinese national standard on safety and general technical specifications for construction waterproof sheets, 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 28 March 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2025. Classification: ICS 91.120.30, CCS Q17. 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 and general technical requirements for building waterproofing membranes and describes the relevant test methods. This document applies to the production, inspection and use of waterproof membranes for construction projects.

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 328.4-2007 Test methods for building waterproofing membranes Part

3 Terms and definitions

The terms and definitions defined in GB/T 18378-2008 and GB/T 41078-2021 and the following apply to this document.

3.1 waterproofing membranewaterproofsheet A flexible waterproof material that is factory-formed and can be rolled into a roll.

Note. For product examples corresponding to the classification of waterproof membranes, see Appendix A. [Source: GB/T 18378-2008, 3.1, modified]

3.2 Factory-formed sheets made of asphalt or polymer-modified asphalt as the main material and using fibers, fabrics or polymer films as reinforcement materials Waterproof material. [Source: GB/T 41078-2021, 3.1, modified]

3.3 It is made of synthetic rubber, synthetic resin or a mixture of the two, with plasticizers, stabilizers, vulcanizers, fillers and other additives added, and then calendered or extruded.

4 Thickness and unit area mass of bituminous waterproofing membranes

GB/T 328.20 Test methods for building waterproofing membranes Part

20 Peeling properties of bitumen waterproofing membrane joints

GB/T 328.21 Test methods for building waterproof membranes Part

21.Peeling properties of joints of polymer waterproof membranes

GB/T 6682-2008 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 18244-2022 Test method for aging of building waterproof materials

GB/T 18378-2008 Terminology of waterproof asphalt and waterproof membrane

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

chinastandards.org - PREVIEW