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

中华人民共和国国家标准

GB/T 328.10-2007

Replace GB/T 328.3-1989

**Test methods for building sheets for
waterproofing-Part 10: Bitumen t plastic and
rubber sheets for waterproofing-watertightness**

建筑防水卷材试验方法

第 10 部分:沥青和高分子防水卷材 不透水性

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Foreword

GB/T 328 *Test methods for building sheets for waterproofing* is divided into 27 Parts.

- Part 1: Bitumen plastic and rubber sheets for waterproofing-rules for sampling
- Part 2: Bitumen sheets for waterproofing-visible defects
- Part 3: Plastic and rubber sheets for waterproofing-visible defects
- Part 4: Bitumen sheets for waterproofing-thickness and mass per unit area
- Part 5: Plastic and rubber sheets for waterproofing-thickness and mass per unit area
- Part 6: Bitumen sheets for waterproofing-length width and straightness
- Part 7: Plastic and rubber sheets for waterproofing-length width straightness and flatness
- Part 8: Bitumen sheets for waterproofing-tensile properties
- Part 9: Plastic and rubber sheets for waterproofing-tensile properties
- Part 10: Bitumen plastic and rubber sheets for waterproofing-watertightness
- Part 11: Bitumen sheets for waterproofing-flow resistance at elevated temperature
- Part 12: Bitumen sheets for waterproofing-dimensional stability
- Part 13: Plastic and rubber sheets for waterproofing-dimensional stability
- Part 14: Bitumen sheets for waterproofing-flexibility at low temperature
- Part 15: Plastic and rubber sheets for waterproof-foldability at low temperature
- Part 16: Plastic and rubber sheets for waterproofing-exposure to liquid chemicals including water
- Part 17: Bitumen sheets for waterproofing-adhesion of granules
- Part 18: Bitumen sheets for waterproofing-resistance to tearing (nail shank)
- Part 19: Plastic and rubber sheets for waterproofing-resistance to tearing
- Part 20: Bitumen sheets for waterproofing-resistance to peeling of joints
- Part 21: Plastic and rubber sheets for waterproofing-resistance to peeling of joints
- Part 22: Bitumen sheets for waterproofing-resistance to shearing of joints
- Part 23: Plastic and rubber sheets for waterproofing-resistance to shearing of joints
- Part 24: Bitumen plastic and rubber sheets for waterproofing-resistance to impact
- Part 25: Bitumen plastic and rubber sheets for waterproofing-resistance to static loading

——Part 26: Bitumen sheets for waterproofing-dissolvable composite of membrane (impregnated and coated asphalt amount)

——Part 27: Bitumen plastic and rubber sheets for waterproofing-water absorption

This Part is part 10 of GB/T 328.

This part modification applies EN 1928: 2000 *Flexible Waterproofing Sheets-Roofing Bitumen, Plastic and Rubber Sheets for Waterproofing-Watertightness Test* (English edition)

The number of chapters and articles in this part is consistent with the number of chapters and articles in EN 1928: 2000, adds the figure 5.

For the convenience to use, the main differences between this part and EN 1928:2000 are:

- a) Changing “This European standard” into “This part”;
- b) Changing “EN 13416” into “GB/T 328.1”;
- c) Deleting the foreword and reference information of EN 1928: 2000, rewriting foreword of this part;
- d) Adding a kind of seven-hole disc plug in method B (figure 5);
- e) Deleting the note of article 9.2.

This part replaces the GB/T 328.3-1989 *Test methods for asphalt waterproof roll roofing--Water impermeability of asphalt*.

The standard GB/T 328.1~328.27-2007 *Test methods for building sheets for waterproofing* composed by this part and other parts replaces the GB/T 328-1989 *Test methods for asphalt waterproof roll roofing*.

Comparing to the GB/T 328.3-1989, the main changes of this part are as follows:

- The change of the applicable range (chapter1 of 1989 edition, chapter1 of this edition);
- Changing the “reference standard” into the “normative reference documents”, adjusting the contents (chapter2 of 1989 edition, chapter2 of this edition);
- Changing the “equipment and material” into “instrument and equipment”, changing the “test-piece” into the “test material preparation”, changing the “test procedure” into “procedure”, changing the “evaluation on test results” into the “results expression and accuracy”, adjusting the contents (chapter3,4,6,7 of 1989 edition, chapter5,7,8,9 of this

edition);

----Deleting the “test condition” (chapter5 of 1989 edition);

----Adding “terms and definitions”, “principles”, “sampling”, “test report” (chapter3, 4, 6, 10 of this edition);

----Adding method A in the test procedures (see 8.1)

This part is proposed by China Building Material Industry Association.

This part is under the jurisdiction of National Standardization Technical Committee for Light and Decoration Building Materials.

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The historical versions replaced by this part are:

----GB 328-1964, GB328-1973, GB/T 328.3-1989.

Test methods for building sheets for waterproofing-

Part 10: Bitumen t plastic and rubber sheets for

waterproofing-watertightness

1. Scope

This part of GB/T 328 is applicable for testing the water tightness of bitumen and rubber sheets for waterproofing as per the regulated procedures, that is the products' water resistance or the bearable water pressure of the limited surface.

This method can also be used in other waterproof materials.

2. Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all subsequent modifications (Including all corrections) or revisions made thereafter do not apply to this standard. However, the parties that reach an agreement according to this standard are encouraged to study whether the latest versions of these documents may be used. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 328.1 Test methods for building sheets for waterproofing—Part 1:Bitumen plastic and rubber sheets for waterproofing-rules for sampling

3. Terms and definitions

The following terms and definitions by apply to this part of GB/T 328.

3.1 Upper side

In the using field, the upwards side of the sheets is usually the inner side of the coiled sheets.

3.2 Water tightness

The waterproof ability of the flexible sheets for waterproofing, such as:

Method A: the filter paper on the surface of the test-piece is non-discoloring during the whole test process.

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