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

GB 26537-2011

Replacing GB/T 26537-2011

Steel fiber reinforced concrete manhole cover

钢纤维混凝土检查井盖

(English Translation)

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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 26537-2011 "Steel Fiber Reinforced Concrete Manhole Covers". Compared with GB/T 26537-2011, the only differences are in the structural design.

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

- a) The types and requirements for steel fiber reinforced ultra-high performance concrete manhole covers have been expanded (see 4.1.1, 6.1.2, 7.2.2, and 7.5);
- (b) The classification, requirements, and test methods for combined manhole covers have been removed (see sections 4.1, 6.2.2, 7.5.2, and Appendix B of the 2011 edition);
- c) The types and requirements of raw materials have been changed (see Chapter 5, 5.1 of the 2011 edition);
- d) The requirements for concrete have been changed (see 6.1, 6.3 in the 2011 edition);
- e) General requirements for well bases have been added (see 6.2);
- f) The requirements for manhole cover dimensional tolerances have been changed (see 7.2, 6.2 in the 2011 edition);

- g) The protective layer thickness requirements have been changed (see 7.5, 5.2.5 of the 2011 edition);
- h) A test method for protective layer thickness has been added (see 8.5);
- i) The factory inspection items have been changed (see 9.2, 8.2.1 of the 2011 version);
- j) The test method for the load-bearing capacity of manhole covers has been changed (see Appendix A, Appendix A of the 2011 edition).

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 is under the jurisdiction of the National Technical Committee on Standardization of Cement Products (SAC/TC197).

1 Scope

Requirements, technical requirements, test methods, inspection rules, marking, storage, transportation and product certificate of conformity.

This document applies to the production and inspection of manhole covers and their supporting frames used in municipal, construction, transportation, water conservancy, power, and telecommunications engineering projects.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB 175 General Purpose Portland Cement GB/T 700 Carbon Structural Steel GB 1499.2 Steel for reinforced concrete - Part 2: Hot-rolled ribbed steel bars GB/T 1596 Fly ash used in cement and concrete GB/T 2015 White Portland Cement GB/T 3280 Stainless steel cold-rolled sheet and strip GB/T 8076 Concrete Admixtures GB/T 9793 Thermal spraying of metals and other inorganic coatings, zinc, aluminum and their alloys GB 13788 Cold-rolled ribbed steel bars GB/T 13912 Technical requirements and test methods for hot-dip galvanized coatings on steel parts GB/T 14684 Construction Sand GB/T 14685 Construction pebbles and crushed stone GB/T 18046 Granulated blast furnace slag powder for use in cement, mortar and concrete GB/T 31387 Reactive Powder Concrete GB/T 39147 Steel Fibers for Concrete GB/T 41401 Intelligent Manhole Covers HG/T 3080 Rubber materials for shockproof rubber products JG/T 472 Steel Fiber Reinforced Concrete JGJ63 Standard for Water Used in Concrete

3 Terms and Definitions

The terms and definitions defined in GB/T 31387 and JG/T 472, as well as the following terms and definitions, apply to this document.

Manhole covers are prefabricated using materials such as steel fiber reinforced concrete, steel reinforcement skeleton, and steel hoops.