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

**CJ/T 186-2018**

Replacing CJ/T 186-2003

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**Floor drain  
(English Translation)**

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### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces CJ/T 186-2003 "floor drain".

Compared with CJ/T 186-2003, the main technical contents of this standard are as follows.

--- Added terminology. floor drain, anti-dry floor drain, water injection floor drain, anti-siphon floor drain, large flow special floor drain, mechanical anti-drying parts, Self-cleaning ability, water seal capacity, water seal ratio;

--- Added technical requirements and detection methods for anti-dry floor drain, water injection floor drain, anti-siphon floor drain, and large flow special floor drain;

---Adjusted the minimum drainage flow of the floor drain;

--- Increased the technical requirements for minimum water seal volume and water seal ratio with water seal floor drain;

--- Modified the test method for floor drain drainage flow, self-cleaning capacity, and water seal stability;

--- Delete the original auxiliary appendix C "Auxiliary verbs used in the terms and conditions", and change to Appendix C "Drainage Application Conditions".

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Building Water Supply and Drainage Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

This standard is mainly drafted by. China Building Decoration Materials Association, East China Architectural Design and Research Institute Co., Ltd.

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## 1 Scope

This standard specifies the classification and model, materials, requirements, test methods, inspection rules and signs, packaging, transportation and storage of floor drains.

This standard applies to floor drains used in civil and industrial buildings.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1176 cast copper and copper alloy GB/T 2100 general corrosion resistant steel castings GB/T 2406.2 Determination of combustion behaviour by oxygen index method Part 2. Room temperature test GB/T 3420 gray cast iron pipe fittings GB/T 5836.2 Hard polyvinyl chloride (PVC-U) pipe fittings for building drainage GB/T 7307 55° unsealed pipe thread GB/T 8801 hard polyvinyl chloride (PVC-U) pipe fittings falling test method GB/T 8802 Determination of Vicat softening temperature of thermoplastic pipes and fittings GB/T 9439 gray iron castings GB/T 11379 metal coating for chrome plating GB/T 12716 60° sealed pipe thread GB/T 12772 Flexible interface cast iron pipe, fittings and accessories for drainage GB/T 13819 copper and copper alloy castings CJ/T 177 Clamping cast iron pipe and fittings for building drainage CJ/T 178 Building drainage flexible interface socket cast iron pipe and fittings CJ/T 250 High Density Polyethylene (HDPE) Pipe and Fittings for Building Drainage

## 3 Terms and definitions

The following terms and definitions apply to this document.

The device for excluding the ground area water or simultaneously receiving the drainage of the appliance is composed of a scorpion, a body, a discharge interface and the like.

Water seal A water storage structure for escaping harmful gases and the like in the floor drain.

The body is not drained with a water seal or other accessories.