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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA FOR FLOOR LEVEL WATER CLOSET IAPMO IGC 279-2010

1. PURPOSE

- 1.1** The purpose of this standard is to establish generally acceptable guidelines for floor level water closets. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying floor level water closets complying with this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

2. SCOPE

- 2.1** This standard covers requirements for floor level water closets. This standard covers physical requirements and other significant properties, in addition to methods of marking and identification.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.
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|--------------------------|---|
| ASME A112.19.1/CSA B45.2 | Enameled Cast Iron and Enameled Steel Plumbing Fixtures |
| ASME A112.19.2/CSA B45.1 | Ceramic Plumbing Fixtures |
| ASSE 1037 | Pressurized Flushing Devices (Flushometers) |

4. GENERAL REQUIREMENTS

- 4.1** The water closet material shall comply with the applicable sections of ASME A112.19.1/CSA B45.2 for enameled cast iron or ASME A112.19.2/CSA B45.1 for ceramic. The minimum wall thickness for cast iron material shall be 1/8 in. and 1/132 in. for the enamel material. The minimum wall thickness for the ceramic material shall be 1/4 in.

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- 4.2** Minimum dimensional requirements for the water closet shall comply with Figure 1. The interior depth of bowl shall be a minimum 5 in. to be measured from the top of the outlet of the bowl.
- 4.3** Flushometers shall comply with ASSE 1037. Gravity tanks shall comply with ASME A112.19.2/CSA B45.1.

5. TESTING REQUIREMENTS

- 5.1** The water closet shall comply with the applicable performance requirements within ASME A112.19.2/CSA B45.1.
- 5.2** **Load Test.** Install the specimen in accordance with the manufacturer's instructions. Cover the bowl with a loose piece of plywood 0.75 in. (19 mm) thick. Apply a static load centered over the bowl area and gradually increase the load to 500 lbf. (2.2 kN). Maintain the load for at least 2 min., remove the load and visually inspect the specimen 5 min. after removal of the load. There shall be no structural damage or other forms of failure

6. MARKING AND IDENTIFICATION

- 6.1** Each water closet shall comply with the marking requirements within Section 9 of ASME A112.19.2/CSA B45.1.

Adopted: July 2010