

**INTERNATIONAL ASSOCIATION
OF
PLUMBING AND MECHANICAL OFFICIALS**

IAPMO GUIDE CRITERIA

FOR

**GLASS LAVATORIES, SINKS
AND COUNTER TOPS**

IAPMO IGC 172-2010

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for glass lavatories, sinks and counter tops. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding design, materials, manufacturing and installation; and to provide for identifying of glass lavatories, sinks and counter tops.

2. SCOPE

- 2.1** This standard covers performance test requirements and marking requirements for glass lavatories, sinks and counter tops. The provisions of the standard are not intended to prevent the use of any alternate design, assembly configuration, method or material, provided any such alternate meets the performance and minimum specification criteria outlined herein.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard as published.

ASME A112.18.1/CSA B125.1	Plumbing Fixture Fittings
ASME A112.18.2/CSA B125.2	Plumbing Fixture Waste Fittings
ASME A112.19.2/CSA B45.1	Ceramic Plumbing Fixtures
ASME A112.19.3/CSA B45.4	Stainless Steel Plumbing Fixtures
ANSI/IAPMO Z124.3	Plastic Lavatories
ANSI/IAPMO Z124.6	Plastic Sinks

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4. GENERAL REQUIREMENTS

- 4.1 Plumbing Fixture Fittings.** When provided by the manufacturer, the fittings shall comply with the requirements of ASME A112.18.1/CSA B125.1.
- 4.2 Waste Fittings.** When provided by the manufacturer, the waste fittings shall comply with the requirements of ASME A112.18.2/CSA B125.2.
- 4.3 Lavatory Overflow.** When provided by the manufacturer, the lavatory overflows shall comply with the requirements in Section 4.3.2 entitled Overflows of ASME A112.19.2/CSA B45.1.
- 4.4 Punchings.** When provided, faucet mounting holes shall comply with the requirements in Section 4.8.1 entitled Openings and mounting surfaces for supply fittings of ASME A112.19.2/CSA B45.1.
- 4.5 Outlet.** Lavatories shall have an outlet opening diameter of $1\text{-}3/4" \pm 1/8"$. Kitchen sinks outlet shall comply with Section 4.4 in ASME A112.19.3/CSA B45.4.
- 4.6 Supporting Structure.** The coated metal and plastic supporting structures shall comply with the coating requirements of ASME A112.18.1/CSA B125.1.
 - 4.6.1** Supporting structures manufactured from glass material, shall comply with the testing requirements in Section 5 of this standard.
- 4.7 Lavatory or Sink Assemblies.** Lavatory or sink and supporting structure shall comply with the testing requirements in Section 5.7 of this standard.
 - 4.7.1** Plumbing fixtures manufactured from material other than glass shall comply with the applicable requirements within the corresponding ASME A112 standard.
- 4.8 Sink Basket.** When provided by manufacturer, sink basket shall be manufactured from 304 Stainless Steel complying with ASTM A 240 and coated and shall be subjected for 24 hours to the salt spray test as described in ASTM G85, Annex A1. There shall be no basis metal corrosion or blistering or discoloration.
- 4.9 Counter Tops.** Counter tops with or without a fixture shall comply with Sections 5 of this standard.

5. TESTING REQUIREMENTS

- 5.1 Surface Test** - Test the glass lavatory or sink and glass supporting structures in accordance with ANSI/IAPMO Z124.3 Section 3.3, Surface Test.
 - 5.1.1** The unit shall be free from cracks, chipped areas and blisters. The number and size of molding and other defects or blemishes shall not exceed those given in Table 1 of ANSI/IAPMO Z124.3. Such defects shall be determined by inspection as specified in

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