

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR
BATHROOM ACCESSORIES**

IGC 186 – 2004a (R2014)

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for bathroom accessories which may include plumbing fixtures fittings. 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 bathroom accessories 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 of this standard.

2. SCOPE

- 2.1** This standard serves to supplement ASTM F 446 in describing a test method and general requirement for bathroom accessories. This standard does not address accessories in the bathing area. These accessories are covered in ASTM F 446.
- 2.2** This standard covers minimum standards for materials in the construction of bathroom accessories, and to prescribe minimum test requirements for the performance of bathroom accessories together with methods of marking and identification.
- 2.3** Wall mounted bathroom accessories are not intended to be used as grab bars or safety devices, to maintain balance, to prevent falling or to aid in exit or entry.

3. REFERENCED STANDARDS

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

ASME A112.18.1	Plumbing Fixture Fittings
ASME A112.19.2	Vitreous China Plumbing Fixtures
ASTM F 446	Grab Bars and Accessories Installed in the Bathing Area

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4. DEFINITIONS

- 4.1 Bathroom Accessories – Includes towel bar, towel ring, towel utility shelve, soap dish, liquid soap dispenser, toothbrush holder, and other similar devices that are intended to be used in the bathroom area.
- 4.2 Bathroom Area – The bathroom space that includes a sink, water closet, and countertop, bounded by four walls, real or imaginary, extending vertically to the ceiling from the outside of the bathing area. The bathroom area does not include a shower or bathtub.
- 4.3 Bathing Area – The bathing area is the space that includes a shower stall, tub, or tub-shower bounded by four walls, real or imaginary, extending vertically to the ceiling from the outside edge of the stall or tub.
- 4.4 Potential Hazard Area – Any surface outside the bathtub or shower floor up to 36 in. (914.4 mm) away from the bathtub or shower, which could be contacted by the body in a slip or fall situation.

5. GENERAL REQUIREMENTS

- 5.1 All materials shall comply with the testing procedures in section 6.0 of this standard.
- 5.2 All bathroom accessories shall be capable of resisting deterioration in the environment to which they are exposed to the degree that the intended performance of the bathroom accessories will not be adversely affected within its average normal life expectancy of the device.
- 5.3 Bathroom accessories mounted in the potential hazard area shall meet the requirements of section 6.1 if they project more than 1 in. (25 mm).
- 5.4 The accessories shall function for their intended use, be well finished, and free of sharp edges and other irregularities.
- 5.5 When supplied by manufacture, plumbing fixtures fittings shall comply with the requirements of ASME A112.18.1

6. TESTING REQUIREMENTS

6.1 Wall Mounted Bathroom Accessories Load Test

- 6.1.1 Attach wall mounted bathroom accessories to a section of 3/4 in. plywood, with suitable fasteners or products in accordance with the manufacturer's instructions.
- 6.1.2 Gradually apply a downward static load of at least 20 lbf (89 N) for devices 10 inches or smaller in width or projection or at least 50 lbf (223 N) for devices 10 inches or greater in width or projection, continuously or in 5 to 25 lbf (22 to 112 N) increments over a maximum 3-1/2 in. (89 mm) section in the center of the bar or a section centered

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