



INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA FOR METALLIC BATHTUBS, SHOWER PANS, AND WHIRLPOOL BATHTUBS

IAPMO IGC 217-2011^{e1}

1. PURPOSE

- 1.1** The purpose of this standard is to:
- (a) establish acceptable criteria for metallic bathtubs, shower pans, and whirlpool bathtubs;
 - (b) serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors, and users;
 - (c) promote understanding regarding materials and manufacturing of metallic bathtubs, shower pans, and whirlpool bathtubs; and
 - (d) provide for markings that identify metallic bathtubs, shower pans, and whirlpool bathtubs that comply with this Standard.
- 1.2** The requirements of this Standard are not intended to prevent the use of alternate materials or methods of construction provided such alternates meet the intent of this Standard.
- 1.3** Amendments to this Standard will be made after processing according to the standards writing procedures of IAPMO.

2. SCOPE

- 2.1** This Standard covers to metallic bathtubs, shower pans and whirlpool bathtubs and specifies general requirements, strength and performance tests, and markings and identification.
- 2.2** Metallic bathtubs and whirlpool bathtubs covered by this Standard are not intended for shower use.

3. REFERENCE PUBLICATIONS

This Standard refers to the following publications, and where such reference is made, it shall be the current edition of those publications, including all amendments published thereto.

ASME A112.18.1/CSA B125.1	Plumbing Supply Fittings
ASME A112.19.1/CSA B45.2	Enamelled cast iron and enamelled steel plumbing fixtures
ASME A112.19.7	Whirlpool Bathtub Appliances
ASTM A240	Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
ASTM B117	Operating Salt Spray (Fog) Apparatus
IAPMO/ANSI Z124.1.2	Plastic Bathtub and Shower Units

4. GENERAL REQUIREMENTS

4.1 Materials

4.1.1 Copper alloys shall contain at least 58% copper.

4.1.2 Stainless steel alloys shall be at least type 304 complying with ASTM A240.

4.3 Fixture Compliance

4.3.1 Bathtubs shall comply with the applicable requirements of ASME A112.19.1/CSA B45.2.

4.3.2 Whirlpool bathtubs shall comply with the applicable requirements of ASME A112.19.7.

4.3.3 Shower pans shall comply with the applicable requirements of IAPMO/ANSI Z124.1.2.

4.6 Coatings

Porcelain coatings shall comply with applicable requirements of ASME A112.19.1/CSA B45.2. Other coated parts shall comply with the requirements specified in Section 2.2 of ASME A112.18.1/CSA B125.1.

4.7 Plumbing Fittings

When provided, plumbing fittings shall comply with ASME A112.18.1/CSA B125.1.

4.8 Slope to the Waste Outlet

The slope of the bottom of the bathtub toward the drain shall comply with ASME A112.19.1/CSA B45.2.

4.9 Solder and Welding Joints

All solder and welding joints shall have smooth, impervious surfaces, free from unnecessary concealed fouling surfaces and shall comply with Section 5.2.