

# Internal Use Only

## INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

### IAPMO GUIDE CRITERIA FOR

#### BATHTUBS WITH OVER-THE-RIM OVERFLOW DRAIN RECEPTOR

#### IAPMO IGC 227-2006

### 1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for bathtubs with over-the-rim overflow drain receptor. 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 bathtubs with over-the-rim overflow drain receptor that conform to this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate materials 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 minimum requirements for materials in the construction of bathtubs with over-the-rim overflow drain receptors, and to prescribe minimum test requirements for the performance of these devices, general requirements and methods of marking and identification.

### 3. REFERENCED STANDARDS

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

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| ASME A112.18.1/CSA B125.1 | Plumbing Fixture Fittings                               |
| ASME A112.18.2/CSA B125.2 | Plumbing Waste Fittings                                 |
| ASME A112.19.1M           | Enameled Cast Iron Plumbing Fixtures                    |
| ASME A112.19.4M           | Porcelain Enameled Formed Steel Plumbing Fixtures       |
| IAPMO/ANSI Z124.1.2       | Plastic Bathtub and Shower Units                        |
| IAPMO PS 99               | Terazzo, Marble, Concrete and Granite Plumbing Fixtures |

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## 4. DEFINITIONS

- 4.1 Receptor drain is defined as a receptor around a bathtub that catches the overflow water over the bathtub rim and drains the water through waste fittings to the sewer.
- 4.2 Non-return valve is a device installed in a waste piping system to prevent reverse flow.

## 5. GENERAL REQUIREMENTS

- 5.1 **Bathtubs.** Bathtubs shall comply with IAPMO/ANSI Z124.1.2 for plastic, ASME A112.19.1 for enameled cast iron, ASME A112.19.4 for porcelain enameled steel or IAPMO PS 99 for terrazzo/marble/concrete/granite.
- 5.2 **Drain Receptors.** Drain receptors shall comply with IAPMO/ANSI Z124.1.2 for plastic, ASME A112.19.1 for enameled cast iron, ASME A112.19.4 for porcelain enameled steel or IAPMO PS 99 for terrazzo/marble/concrete/granite, except for dimensions.
- 5.3 **Slope.** The bottom of drain receptor shall be slope toward the drain outlet. The slope shall be a minimum 1%.
- 5.4 **Construction.** The joint between the bathtub apron and drain receptor shall be at least 1 inch above the drain receptor flood level rim.
- 5.5 **Drain Receptor Grid.** When grid is provided, it shall be easily removed without requiring tools for easy access to clean the receptor.
- 5.6 **Waste Fittings.** Waste fittings shall comply with ASME A112.18.2/CSA B125.2 and shall have a minimum 1-1/2" O.D.
- 5.7 **Non-Return Valve.** If the bathtub and drain receptor are connected to the same waste fittings, a non-return valve shall be provided to prevent backflow from the bathtub to drain receptor. When provided, the non-return valve shall meet the requirements of Section 6.2 of this standard.
- 5.8 **Supply Fittings.** If supply fittings are provided, they shall comply with ASME A112.18.1/CSA B125.1.
- 5.9 **Installation Instructions.** The units must be provided with written installation instructions including information for connecting the waste fittings.
- 5.10 **Means of Access.** A means of access to the non-return valve shall be provided for repair and maintenance in the installed position.