

Internal Use Only

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

MATERIAL AND PROPERTY STANDARD

FOR

PREFABRICATED FIBERGLASS CHURCH BAPTISTRIES

IAPMO PS 98-96

1. PURPOSE

- 1.1** The purpose of this Standard is to establish an acceptable standard for prefabricated fiberglass church baptistries. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote an understanding regarding materials, manufacture and installation; and to provide for identifying prefabricated fiberglass church baptistries that conform to 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 covers physical requirements and test methods for performance pertaining to structural, physical characteristics of materials and other significant properties. In addition, it covers general requirements of materials, workmanship and finish along with methods of marking and identification.
- 2.2** This standard only covers the prefabricated fiberglass church baptistries and not any other components.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standards as published in Table 14-1 of the Uniform Plumbing Code. Copy of the current Table 14-1 can be obtained from IAPMO.

ANSI Z124.1	Plastic Bathtub Units
ASTM D 790	Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM F 462	Consumer Safety Specification for Slip-Resistant Bathing Facilities

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4. DEFINITIONS

- 4.1 Baptistry.** A unit primarily designed for the purpose of religious baptismal services. Standard production units have recessed drain port and sloped floor for complete drainage and skid resistant surface on step treads and floor. Water may or may not be left in the unit at all times. Unit is generally a permanent installation in a building. Unit may employ separate components such as an individual heater, pump, controls and filter or combinations of various components.

5. GENERAL REQUIREMENTS

- 5.1** The finished trim dimensional tolerances for prefabricated units shall be the manufacturer's stated "rough-in" dimensions.
- 5.2** Workmanship and finish shall be tested as specified in Section 3, paragraphs 3.1 through 3.4.3 inclusive of ANSI Z124.1.
- 5.3** The physical characteristics of materials shall be tested as specified in Section 5, paragraphs 5.1 through 5.5.2 inclusive of ANSI Z124.1.
- 5.4** Additionally, materials shall be tested as specified in Section 6, paragraphs 6.3 through 6.3.1.2 inclusive of ANSI Z124.1.
- 5.5** The baptistry shall meet the drain fitting connection, point impact loads, radii load and loads on unsupported areas tests as described in ANSI Z124.1.
- 5.6** The steps and floor of the baptistry shall meet the requirements of ASTM F 462.

6. TESTING REQUIREMENTS

- 6.1** Baptistries may be qualified by one or both of the following methods as detailed in Section 6.2 or 6.4 of this Standard.
- 6.1.1** Manufacturer may utilize load testing in lieu of calculations provided such testing shall be made using baptistries having equal or greater span to those models to be qualified and thickness of those test models shall be deemed the minimum allowable on all models to be qualified.
- 6.2 Qualification Method #1: Calculations**
- 6.2.1** For the purpose of Qualification Method #1, all units shall be considered free standing.
- 6.2.2** Calculations for deflection and material thickness shall be based upon a modulus of elasticity as determined by testing of a production unit in accordance with Section 6.3.1 and 6.3.2 of this Standard.