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Contents

Preface

IAPMO Plumbing Standards Committee

IAPMO Z1000/Z1001 Technical Subcommittee

1 Scope
   1.1 Scope
   1.2 Alternative Materials
   1.3 Terminology
   1.4 Units of Measurement

2 Reference Publications

3 Abbreviations

4 General Requirements
   4.1 General
   4.2 Drawings and Supporting Documentation
   4.3 Structural Strength
      4.3.1 General
      4.3.2 Exterior Tank Walls
      4.3.3 Vertical Earth Loads
      4.3.4 Partitions and Baffles
      4.3.5 Unexpected Load Conditions
   4.4 Access Openings
      4.4.1 Inlet and Outlet Devices
      4.4.2 Compartment
   4.5 Inlets and Outlets
      4.5.1 Piping Accommodations
      4.5.2 Design
      4.5.3 Invert
   4.6 Risers
   4.7 Covers
   4.8 Pipe Connectors
      4.8.1 Flexible Pipe Connectors
      4.8.2 Materials
   4.9 Venting
      4.9.1 Venting Area
      4.9.2 Separation
4.10 Partitions and Baffles
   4.10.1 Compartments and Extension
   4.10.2 Flow Between Compartments
   4.10.3 Location of Inlet Openings

4.11 Air Space

4.12 Installation-Site Assembly

4.13 Joints
   4.13.1 Site-Assembly
   4.13.2 Joint Sealing

5 Precast Concrete Septic Tanks

6 Fiber-Reinforced Polyester Septic Tanks
   6.1 General
   6.2 Materials
      6.2.1 Resin
      6.2.2 Reinforcement
      6.2.3 Fillers and Pigments
   6.3 Laminate
      6.3.1 Layers
      6.3.2 Edges
      6.3.3 Surface Hardness
      6.3.4 Appearance
      6.3.5 Joints

7 Thermoplastic Septic Tanks
   7.1 Blow-Molded and Single-Layer Rotationally-Molded Polyethylene Septic Tanks
      7.1.1 Compound
      7.1.2 Physical Properties
      7.1.3 Wall Thickness
   7.2 Multi-Layer Rotationally-Molded Polyethylene Septic Tanks
      7.2.1 General
      7.2.2 Compound
      7.2.3 Physical Properties
      7.2.4 Wall Thickness
   7.3 Injection-Molded Thermoplastic Septic Tanks
      7.3.1 Compound
      7.3.2 Physical Properties
      7.3.3 Wall Thickness
   7.4 Compression-Molded Thermoplastic Septic Tanks
      7.4.1 Compound
      7.4.2 Physical Properties
      7.4.3 Wall Thickness
   7.5 Finish
8  **Steel Septic Tanks**

9  **Testing Requirements and Performance Criteria**

9.1  Watertightness Tests
    9.1.1  General
    9.1.2  Vacuum Test
    9.1.3  Water Test
    9.1.4  Air Test

9.2  Fiber-Reinforced Polyester Tests
    9.2.1  General
    9.2.2  Glass Content
    9.2.3  Tensile Strength
    9.2.4  Flexural Strength and Flexural Modulus of Elasticity
    9.2.5  Hardness

9.3  Thermoplastic Septic Tank Tests
    9.3.1  Flexural Stress Crack-Resistance Test
    9.3.2  Environmental Stress Crack-Resistance Test

10  **Markings and Accompanying Literature**

10.1  Markings
10.2  Visibility
10.3  Means of Permanent Application
10.4  Installation Instructions
10.5  Fiberc-Renforced Polyester Resin Test Results Availability

**Tables**

1  Minimum Shell Joint Overlays for Fiber-Reinforced Polyester Septic Tanks, mm (in)
2  Minimum Tensile Strength, Flexural Modulus of Elasticity, and Thickness for Compression-Molded Septic Tanks
Preface

This is the third edition of IAPMO/ANSI Z1000, Prefabricated Septic Tanks. This Standard supersedes IAPMO/ANSI Z1000-2013, Prefabricated Septic Tanks.

This Standard was developed by the IAPMO Z1000/Z1001 Technical Subcommittee and approved by the IAPMO Plumbing Standards Committee in accordance with the ANSI Essential Requirements: Due process requirements for American National Standards and the IAPMO Policies and Procedures for Consensus Development of American National Standards. This Standard was approved as an American National Standard on July 15, 2019.

Notes:
(1) The use of the singular does not exclude the plural (and vice versa) when the sense allows.
(2) This standard was developed in accordance with the IAPMO procedures accredited as meeting the criteria for American National Standards and it is an American National Standard. The IAPMO Standards Committee that approved this Standard was balanced to assure that individuals from competent and concerned interests had an opportunity to participate. During its development, this Standard was made available for public review, thus providing an opportunity for additional input from industry, academia, regulatory agencies, and the public at large.
(3) This Standard was developed by consensus, which is defined as substantial agreement; consensus implies much more than a simple majority, but not necessarily unanimity. It is consistent with this definition that a member of the relevant IAPMO Standards Committee can be included in the committee roster and yet not be in full agreement with all sections of this Standard.
(4) Although the intended primary application of this Standard is stated in its scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
(5) IAPMO Standards are subject to periodic review and suggestions for their improvement will be referred to the relevant IAPMO Standards Committee. To submit a proposal for change to this Standard, you may send the following information to the International Association of Plumbing and Mechanical Officials, Attention Standards Department, 4755 East Philadelphia Street, Ontario, California, 91761, and include “Proposal for change” in the subject line:
   (a) standard designation (number);
   (b) relevant section, table, or figure number, as applicable;
   (c) wording of the proposed change, tracking the changes between the original and the proposed wording; and
   (d) rationale for the change.
(6) Requests for interpretation should be clear and unambiguous. To submit a request for interpretation of this Standard, you may send the following information to the International Association of Plumbing and Mechanical Officials, Attention Standards Department, 4755 East Philadelphia Street, Ontario, California, 91761, and include “Request for interpretation” in the subject line:
   (a) the edition of the standard for which the interpretation is being requested;
   (b) the definition of the problem, making reference to the specific section and, when appropriate, an illustrative sketch explaining the question;
   (c) an explanation of circumstances surrounding the actual field conditions; and
   (d) the request for interpretation phrased in such a way that a “yes” or “no” answer will address the issue.
(7) Interpretations are processed in accordance with IAPMO’s accredited standards development procedures. IAPMO issues written replies to inquiries concerning interpretation of technical aspects of this Standard.
(8) IAPMO accepts responsibility only for those interpretations of this Standard issued in accordance with the accredited IAPMO policies and procedures, which precludes the issuance of interpretations by individuals.
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M. Sigler  
Plumbing Manufacturers International  
Chair  
Orlando, Florida, USA

S. Rawalpindiwala  
Kohler Co.  
Vice-Chair  
Kohler, Wisconsin, USA

J.A. Ballanco  
JB Engineering and Code Consulting, P.C.  
Munster, Indiana, USA

K. Ernst  
Oakville Stamping & Bending Limited  
Oakville, Ontario, Canada

M. Gibeault  
Kohler Co.  
Kohler, Wisconsin, USA

L. Gill  
IPEX Management Inc.  
Oakville, Ontario, Canada

A. Granzow  
NIBCO, INC.  
Elkhart, Indiana, USA

M. Guard  
Bradley Corporation  
Menomonee Falls, Wisconsin

C.J. Lagan  
American Standard Brands  
Piscataway, New Jersey, USA

D. Mann  
CA State Pipe Trades  
Livermore, California

R. Mata  
American Society of Plumbing Engineers (ASPE)  
Mentor, Ohio, USA

D. Orton  
NSF International  
Ann Arbor, Michigan, USA

S.A. Remedios  
Remedios Consulting, LLC  
London, Ontario, Canada

R. Rice  
Senior Mechanical Inspector, Retired  
Maplewood, Minnesota

D. Rousseau  
Multi Sciences Expertise Inc.  
Blainville, Quebec, Canada
<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Position</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>K.C. Thompson</td>
<td>IAPMO</td>
<td>Staff Liaison</td>
<td>Ontario, California, USA</td>
</tr>
<tr>
<td>H. Aguilar</td>
<td>IAPMO</td>
<td>Secretary</td>
<td>Ontario, California, USA</td>
</tr>
</tbody>
</table>
## IAPMO Z1000/Z1001 Technical Subcommittee

<table>
<thead>
<tr>
<th>Name</th>
<th>Company/Position</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Lentz</td>
<td>Infiltrator Systems, Inc.</td>
<td>Old Saybrook, Connecticut, USA</td>
</tr>
<tr>
<td>C. Babbert</td>
<td>E.C. Babbert, Inc.</td>
<td>Canal Winchester, Ohio, USA</td>
</tr>
<tr>
<td>P. Briggs</td>
<td>Briggs Mfg.</td>
<td>Willows, California, USA</td>
</tr>
<tr>
<td>R. Burnham</td>
<td>Zurn Industries, Inc.</td>
<td>Erie, Pennsylvania, USA</td>
</tr>
<tr>
<td>E. Carleton</td>
<td>National Precast Concrete Association</td>
<td>Carmel, Indiana, USA</td>
</tr>
<tr>
<td>S. Ferrazo</td>
<td>Green Turtle Americas, Ltd.</td>
<td>Charlotte, North Carolina, USA</td>
</tr>
<tr>
<td>H. Hausfeld</td>
<td>Polytorx, LLC (Helix Steel)</td>
<td>Ann Arbor, Michigan, USA</td>
</tr>
<tr>
<td>D.E. Holloway</td>
<td>IAPMO R&amp;T Lab</td>
<td>Broken Arrow, Oklahoma, USA</td>
</tr>
<tr>
<td>M. Kirby</td>
<td>Oldcastle Precast</td>
<td>Littleton, Colorado, USA</td>
</tr>
<tr>
<td>J. Lexvold</td>
<td>Xerxes Corporation</td>
<td>Bloomington, Minnesota, USA</td>
</tr>
<tr>
<td>K. Loucks</td>
<td>IW Consulting Services, LLC</td>
<td>Vancouver, Washington</td>
</tr>
<tr>
<td>N. Noble</td>
<td>Orenco Systems, Inc.</td>
<td>Sutherlin, Oregon, USA</td>
</tr>
<tr>
<td>D. Priester</td>
<td>Jay R. Smith Mfg. Co.</td>
<td>Montgomery, Alabama, USA</td>
</tr>
<tr>
<td>W.A. Schneider</td>
<td>Containment Solutions, Inc.</td>
<td>Conroe, Texas, USA</td>
</tr>
<tr>
<td>R. Stever</td>
<td>Jensen Precast</td>
<td>Sparks, Nevada, USA</td>
</tr>
<tr>
<td>Name</td>
<td>Company</td>
<td>City, State, Country</td>
</tr>
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<td>--------------------</td>
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</tr>
<tr>
<td>B.A. Stowe</td>
<td>Roth North America</td>
<td>Syracuse, New York, USA</td>
</tr>
<tr>
<td>C. Tevis</td>
<td>Highland Tank</td>
<td>Friedens, Pennsylvania, USA</td>
</tr>
<tr>
<td>R. Vander Veen</td>
<td>Mid State Concrete Products</td>
<td>Santa Maria, California, USA</td>
</tr>
<tr>
<td>Joe Wiegand</td>
<td>Containment Solutions, Inc.</td>
<td>Conroe, Texas, USA</td>
</tr>
<tr>
<td>K. Thompson</td>
<td>IAPMO</td>
<td>Ontario, California, USA</td>
</tr>
<tr>
<td>H. Aguilar</td>
<td>IAPMO</td>
<td>Ontario, California, USA</td>
</tr>
</tbody>
</table>

*Staff Liaison*

*Secretary*
1 Scope

1.1 Scope
This Standard covers prefabricated septic tanks made of concrete, fiber-reinforced polyester (FRP), thermoplastic, or steel, intended for use in residential or commercial sewage disposal systems, and specifies design, material, performance testing, and marking requirements.

1.2 Alternative Materials
The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction, provided such alternatives meet the intent and requirements of this Standard.

1.3 Terminology
In this Standard,
(a) “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy to comply with the standard;
(b) “should” is used to express a recommendation but not a requirement;
(c) “may” is used to express an option or something permissible within the scope of the standard; and
(d) “can” is used to express either a possibility or a capability.

Notes accompanying sections in the body of the Standard do not specify requirements or alternative requirements; their purpose is to separate explanatory or informative material from the text. Notes to tables and figures are considered part of the table or figure and can be written as requirements.

1.4 Units of Measurement
SI units are the primary units of record in global commerce. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application but each unit system is to be used independently. Combining values from the two measurement systems can result in non-conformance with this Standard. All references to gallons are to U.S. gallons.

2 Reference Publications

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

ASTM International (American Society for Testing and Materials)
ASTM C581
Standard Practice for Determining Chemical Resistance of Thermosetting Resins Used in Glass-Fiber-Reinforced Structures Intended for Liquid Service