

Plastic plumbing fixtures



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The IAPMO Group

5001 East Philadelphia Street

Ontario, California 91761-2816, USA

1-800-854-2766 • 1-909-472-4100

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The IAPMO Group
5001 East Philadelphia Street
Ontario, California 91761-2816
USA
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IAPMO Plumbing Standards Committee

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S.S. Parkhurst	QAI Laboratories, Tulsa, Oklahoma, USA	<i>Vice-Chair</i>
J.A. Ballanco	JB Engineering and Code Consulting, P.C., Munster, Indiana, USA	
J. Bertrand	Moen Incorporated, North Olmsted, Ohio, USA	
B.G. Brody	North American Composites, Mays Landing, New Jersey, USA	
T. Burke	Victoria + Albert Baths Ltd, Telford, Shropshire, UK	
I. Chang	ITS, Coquitlam, British Columbia, Canada	
S. Chen	MASCO Corp., Taylor, Michigan, USA	
L. Cox	Structurlite Composites Consultants, Hebron, Ohio, USA	
K. Ernst	Danville Stamping & Bending Limited, Oakville, Ontario, Canada	
D. Frederick	Underwriter's Laboratories, Northbrook, Illinois, USA	
S.M. Galayda	Product Listing Services, Inc., Litchfield, Ohio, USA	
C.R. Graham	Martech Enterprises, Thousand Oaks, California, USA	
A. Granzow	NIBCO, Inc., Elkhart, Indiana, USA	

D. Holloway	IAPMO R&T Lab, Broken Arrow, Oklahoma, USA
R. Hyer	TEI, Salt Lake City, Utah, USA
T. Kenney	Home Innovation Research Labs, Washington, D.C., USA
J.M. Koeller	Koeller and Company, Yorba Linda, California, USA
C.J. Lagan	American Standard Brands, Piscataway, New Jersey, USA
B. Mann	Kinro Composites, Waxahachie, Texas, USA
R. Mata	CSA Group, Cleveland, Ohio, USA
D. Orton	NSF International, Ann Arbor, Michigan, USA
S.A. Remedios	Remedios Consulting, LLC, London, Ontario, Canada
A.L. Scarano	Yardley, Pennsylvania, USA
W.A. Schneider	Containment Solutions, Inc., Conroe, Texas, USA
M. Sigler	Plumbing Manufacturers International, Rolling Meadows, Illinois, USA
B. Smith	ASPE, Montgomery, Alabama, USA
B. Taylor	Taylor Industries, Inc., Parker Ford, Pennsylvania, USA
W.C. Whitehead	Whitehead Consulting Services, Danvers, Massachusetts, USA

C. Wright	Ontario Pipe Trades, Dundalk, Ontario, Canada	
C. Gross	IAPMO, Ontario, California, USA	<i>Secretary</i>
K.C. Thompson	IAPMO, Ontario, California, USA	<i>Staff Liaison</i>

CSA Technical Committee on Plumbing Fixtures

S.M. Rawalpindiwala	Kohler Co. Plumbing Division, Kohler, Wisconsin, USA <i>Category: Producer Interest</i>	<i>Chair</i>
F. Lemieux	Health Canada, Ottawa, Ontario, Canada <i>Category: Regulatory Authority</i>	<i>Vice-Chair</i>
M. Al Hares	Delta Faucet Company, Fishers, Indiana, USA	<i>Associate</i>
W.T. Ball	WCM Industries Inc., Colorado Springs, Colorado, USA	<i>Associate</i>
J.E. Bertrand	Moen Incorporated, North Olmsted, Ohio, USA <i>Category: Producer Interest</i>	
A. Bonlender	Bradley Corporation, Menomonee Falls, Wisconsin, USA	<i>Associate</i>
T. Burke	Victoria + Albert Baths Ltd., Telford, , United Kingdom	<i>Associate</i>
R. Burnham	Zurn Industries LLC, Erie, Pennsylvania, USA <i>Category: Producer Interest</i>	
M. Campos	International Code Council, Brea, California, USA	<i>Associate</i>
W.E. Chapin	Professional Code Consulting, LLC, Cullman, Alabama, USA	<i>Associate</i>
S. Chen	Masco R&D, Taylor, Michigan, USA	<i>Associate</i>
Y. Duchesne	Régie du bâtiment du Québec, Québec, Québec, Canada <i>Category: Regulatory Authority</i>	

C. Erickson	Underwriters Laboratories Inc., Northbrook, Illinois, USA	<i>Associate</i>
K. Ernst	Oakville Stamping & Bending Limited, Oakville, Ontario, Canada <i>Category: Producer Interest</i>	
W. Falcomer	The Corporation of the City of Ottawa, Ottawa, Ontario, Canada <i>Category: Regulatory Authority</i>	
F. Fernández	Toto U.S.A. Inc., Ontario, California, USA <i>Category: Producer Interest</i>	
M.E. Fish	Zurn Industries, LLC, Washington, DC, USA	<i>Associate</i>
D. Gleiberman	Sloan, Los Angeles, California, USA	<i>Associate</i>
M. Guard	International Code Council (ICC), Washington, DC, USA	<i>Associate</i>
R. Guinn	Oro-Medonte, Ontario, Canada <i>Category: User Interest</i>	
R. Hildebrand	The Regional Municipality of Waterloo, Kitchener, Ontario, Canada <i>Category: User Interest</i>	
L. Himmelblau	Chicago Faucets Geberit Manufacturing Division, Des Plaines, Illinois, USA <i>Category: Producer Interest</i>	
E. Ho	IAPMO Research & Testing Inc., Markham, Ontario, Canada	<i>Associate</i>
E. Hood	H. H. Angus & Associates Ltd., Toronto, Ontario, Canada <i>Category: User Interest</i>	
K.S. Hui	Ontario Ministry of Municipal Affairs, Toronto, Ontario, Canada <i>Category: Regulatory Authority</i>	

C. Jahrling	ASSE International, Mokena, Illinois, USA	<i>Associate</i>
J. Knapton	Southern Alberta Institute of Technology, Calgary, Alberta, Canada <i>Category: General Interest</i>	
J.M. Koeller	Koeller and Company, Yorba Linda, California, USA <i>Category: General Interest</i>	
C.J. Lagan	American Standard Brands, d/b/a AS America, Inc., Piscataway, New Jersey, USA <i>Category: Producer Interest</i>	
D. Liang	CSA Group, Guangzhou, , China	<i>Associate</i>
R. Liao	Xiamen Lota International Co.Ltd., Xiamen, China	<i>Associate</i>
J. MacDonald	BLANCO Canada Inc., Brampton, Ontario, Canada	<i>Associate</i>
J. Manente	Region of Peel, Brampton, Ontario, Canada	<i>Associate</i>
D. Marbry	Fluidmaster Inc., San Juan Capistrano, California, USA	<i>Associate</i>
T.J. McCann	Department of National Defence, Ottawa, Ontario, Canada <i>Category: User Interest</i>	
C. McLeod	Kohler Co. Plumbing Division, Kohler, Wisconsin, USA	<i>Associate</i>
D. McNamara	Franke Kindred Canada Limited, Midland, Ontario, Canada <i>Category: Producer Interest</i>	
A.I. Murra	Abraham Murra Consulting, Oakville, Ontario, Canada	<i>Associate</i>

R. Neff	Delta Faucet Company, Indianapolis, Indiana, USA	<i>Associate</i>
D. Orton	NSF International, Ann Arbor, Michigan, USA	<i>Associate</i>
R. Pickering	Eastern Research Group, Inc. (ERG), Morrisville, North Carolina, USA	<i>Associate</i>
S.A. Remedios	Remedios Consulting LLC, London, Ontario, Canada <i>Category: General Interest</i>	
S. Shang	China Building Material Test & Cert. Group (Shaanxi) Co. Ltd., Shaanxi, China	<i>Associate</i>
R. Sharma	U.S. Environmental Protection Agency, Washington, DC, USA	<i>Associate</i>
M. Sigler	Plumbing Manufacturers Int'l, Orlando, Florida, USA	<i>Associate</i>
W. Smith	American Society of Plumbing Engineers (ASPE), Montgomery, Alabama, USA <i>Category: General Interest</i>	
J. St-Denis	Intertek Testing Services NA Ltd. Services d'essais Intertek AN Ltee., Lachine, Québec, Canada	<i>Associate</i>
D. Stoesz	Alberta Municipal Affairs, Red Deer, Alberta, Canada <i>Category: Regulatory Authority</i>	
S. Tanner	U.S. Environmental Protection Agency, Washington, DC, USA <i>Category: General Interest</i>	
P. Tardif	National Research Council Canada, Canadian Codes Centre, Ottawa, Ontario, Canada	<i>Associate</i>
C.W. Trendelman	Bargersville, Indiana, USA	<i>Associate</i>

J.C. Watson	Elkay, Oak Brook, Illinois, USA	<i>Associate</i>
C. Wright	Ontario Pipe Trades, Dundalk, Ontario, Canada <i>Category: User Interest</i>	
F. Zhang	China Building Material Test & Cert. Group (Shaanxi) Co. Ltd., Shaanxi, China	<i>Associate</i>
L. Pilla	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

CSA/IAPMO Harmonization Task Group on Plumbing Fixtures

E. Ho	IAPMO Research and Testing Inc., Ontario, California, USA	<i>Co-Chair</i>
D. McNamara	Franke Kindred Canada Limited, Midland, Ontario, Canada	<i>Co-Chair</i>
M.A. Banks	Dupont Building Innovations, Buffalo, New York, USA	
I.W. Chang	Intertek, Coquitlam, British Columbia, Canada	
N. Dickey	CSA Group, Independence, Ohio, USA	
K. Ernst	Oakville Stamping & Bending Limited, Oakville,, Ontario, Canada	
C.J. Lagan	American Standard Brands, Piscataway, New Jersey, USA	
F. Lemieux	Health Canada, Ottawa, Ontario, Canada	
S. Rawalpindiwala	Kohler Co., Kohler, Wisconsin, USA	
S.A. Remedios	Remedios Consulting LLC, London, Ontario, Canada	
C. Wright	Ontario Pipe Trades, Dundalk, Ontario, Canada	
L. Pilla	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>
C. Gross	IAPMO, Ontario, California, USA	<i>Secretary</i>

Preface

This is the second edition of CSA B45.5/IAPMO Z124, *Plastic plumbing fixtures*. It supersedes the previous edition published in 2011.

This Standard replaces

- a) CAN/CSA-B45.5-02, *Plastic plumbing fixtures*;
- b) IAPMO/ANSI Z124.1.2-2005, *Plastic Bathtub and Shower Units*;
- c) IAPMO/ANSI Z124.3-2005, *Plastic Lavatories*;
- d) IAPMO/ANSI Z124.4-2006, *Plastic Water Closet Bowls and Tanks*;
- e) IAPMO/ANSI Z124.6-2007, *Plastic Sinks*; and
- f) IAPMO/ANSI Z124.9-2004, *Plastic Urinal Fixtures*.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the CSA/IAPMO Joint Harmonization Task Group on Plumbing Fixtures, under the jurisdiction of the CSA Technical Committee on Plumbing Fixtures and the IAPMO Plumbing Standards Committee. The CSA Technical Committee operates under the jurisdiction of the CSA Strategic Steering Committee on Construction and Civil Infrastructure. This Standard has been formally approved by the CSA Technical Committee and the IAPMO Plumbing Standards Committee. This Standard was approved as an American National Standard by the American National Standards Institute on January 10, 2017.

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Plastic plumbing fixtures

0 Introduction

Harmonization activities for plastic plumbing fixtures Standards were undertaken in 2005 by a Joint Harmonization Task Group (JHTG) on Plumbing Fixtures, in which CSA Group and IAPMO plumbing fixtures committees were equally represented. The responsibility for procedural matters and final approval of technical content was assumed by technical committees at higher levels within each SDO.

1 Scope

1.1

This Standard covers plastic plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings.

1.2

This Standard covers the following plumbing fixtures:

- a) bathtubs and combination tub/showers;
- b) lavatories;
- c) shower bases and shower stalls;
- d) sinks:
 - i) bar sinks;
 - ii) kitchen sinks;
 - iii) laundry sinks; and
 - iv) service sinks;
- e) urinals; and
- f) water closets.

1.3

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.4

SI units are the units of record in Canada. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application; however, each 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.

For information on the conversion criteria used in this Standard, see Annex A.

2 Reference publications

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

CSA Group

CAN/CSA-B651-12

Accessible design for the built environment

C22.2 No. 0.15-15

Adhesive labels

ASME (The American Society of Mechanical Engineers)/CSA Group

ASME A112.18.1-2012/CSA B125.1-12

Plumbing supply fittings

ASME A112.18.2-2015/CSA B125.2-15

Plumbing waste fittings

ASME A112.19.1-2013/CSA B45.2-13

Enamelled cast iron and enamelled steel plumbing fixtures

ASME A112.19.2-2013/CSA B45.1-13

Ceramic plumbing fixtures

ASME A112.19.3-2008/CSA B45.4-08

Stainless steel plumbing fixtures

ASME (The American Society of Mechanical Engineers)

A112.19.15-2012

Bathtubs/whirlpool bathtubs with pressure sealed doors

A112.19.19-2006 (R2011)

Vitreous china nonwater urinals

ASTM International (American Society for Testing and Materials)

C297/C297M-16

Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions