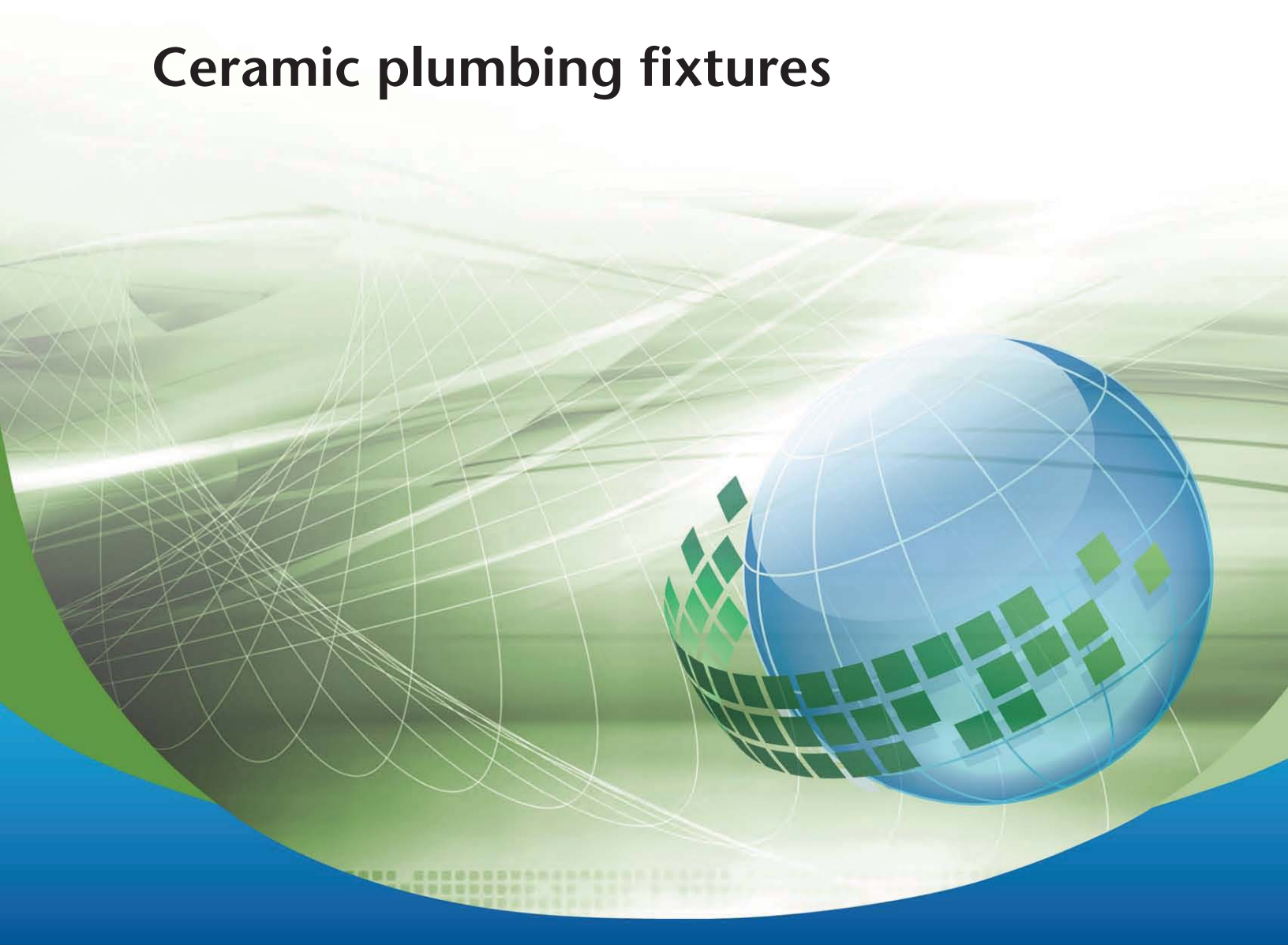




**ASME A112.19.2-2013/
CSA B45.1-13**

Ceramic plumbing fixtures



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R. Hildebrand	Regional Municipality of Waterloo, Kitchener, Ontario	
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D. Orton	NSF International, Ann Arbor, Michigan, USA	
S.A. Remedios	Remedios Consulting LLC, Noblesville, Indiana, USA	
T. Stessman	Kohler Co., Kohler, Wisconsin, USA	<i>Associate</i>
C. Trendelman	Delta Faucet Company, Indianapolis, Indiana, USA	<i>Associate</i>
C. Wright	Ontario Pipe Trades, Dundalk, Ontario	
L. Pilla	CSA Group, Mississauga, Ontario	<i>Project Manager</i>

CSA/ASME Harmonization Task Group on Plumbing Fixtures (B45-JHTG)

C.J. Lagan	American Standard Brands, Piscataway, New Jersey, USA	<i>Co-Chair</i>
F. Lemieux	Health Canada, Ottawa, Ontario	<i>Co-Chair</i>
I.W. Chang	Intertek, Coquitlam, British Columbia	
M. Chojnacka	City of Toronto, Toronto, Ontario	
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E. Ho	IAPMO Research and Testing Inc, Markham, Ontario	
N. Kummerlen	Lorain, Ohio, USA	
B. Lagueux	Saint-Nicolas, Québec	
S.E. Martin	International Code Council, Pittsburgh, Pennsylvania, USA	
D. McNamara	Franke Kindred Canada Limited, Midland, Ontario	
S. Rawalpindiwala	Kohler Co., Kohler, Wisconsin, USA	
S.A. Remedios	Remedios Consulting LLC, Noblesville, Indiana, USA	
L. Pilla	CSA Group, Mississauga, Ontario	<i>Project Manager</i>



Preface

This is the second edition of ASME A112.19.2/CSA B45.1, *Ceramic plumbing fixtures*.

It supersedes the previous edition published in 2008.

This edition of ASME A112.19.2/CSA B45.1 includes the following:

- (a) the addition of wall hung water closet dimensions;
- (b) the addition of the WaterSense® test protocol, but allows both cased and uncased media;
- (c) updated test pressures for urinals;
- (d) an update to water consumption markings;
- (e) an updated test medium size for the drain line characterization test, including the removal of the density requirement;
- (f) an updated pressure requirement for the joint seal test;
- (g) the addition of shower outlet dimensions;
- (h) the warpage test has been amended for clarity;
- (i) the flange test has been amended to make it consistent with other standards; and
- (j) other editorial changes were made for better clarification.

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

This Standard was prepared by the ASME/CSA Joint Harmonization Task Group on Plumbing Fixtures, under the jurisdiction of the ASME Standards Committee on Plumbing Materials and Equipment and the CSA Technical Committee on Plumbing Fixtures. 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 ASME Standards Committee and the CSA Technical Committee. This Standard was approved as an American National Standard by the American National Standards Institute on July 23, 2013.

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Ceramic plumbing fixtures

0 Introduction

0.1

This harmonized Standard was developed in response to an industry request for a Standard for evaluation of plumbing fixtures that would be acceptable for use in both Canada and the United States. Harmonized Standards for plumbing fixtures made of other materials are also available or under development.

0.2

Harmonization activities for plumbing fixtures Standards were undertaken in 2004 by a Joint Harmonization Task Group (JHTG) on Plumbing Fixtures, in which the ASME and CSA 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 vitreous and non-vitreous china plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings. This Standard's performance requirements and test procedures apply to all types of water closets and urinals that discharge into gravity drainage systems in permanent buildings and structures, independent of occupancy.

1.2

This Standard covers the following plumbing fixtures:

- (a) bathtubs;
- (b) bidets;
- (c) drinking fountains;
- (d) fixtures for institutional applications;
- (e) lavatories;
- (f) shower bases;
- (g) sinks:
 - (i) laboratory sinks;
 - (ii) laundry sinks;
 - (iii) service sinks;
 - (iv) utility sinks;
 - (v) kitchen sinks; and
 - (vi) clinic sinks;
- (h) urinals; and
- (i) 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; "may" is used to express an option or that which is permissible within the limits of the standard; and "can" is used to express possibility or capability.