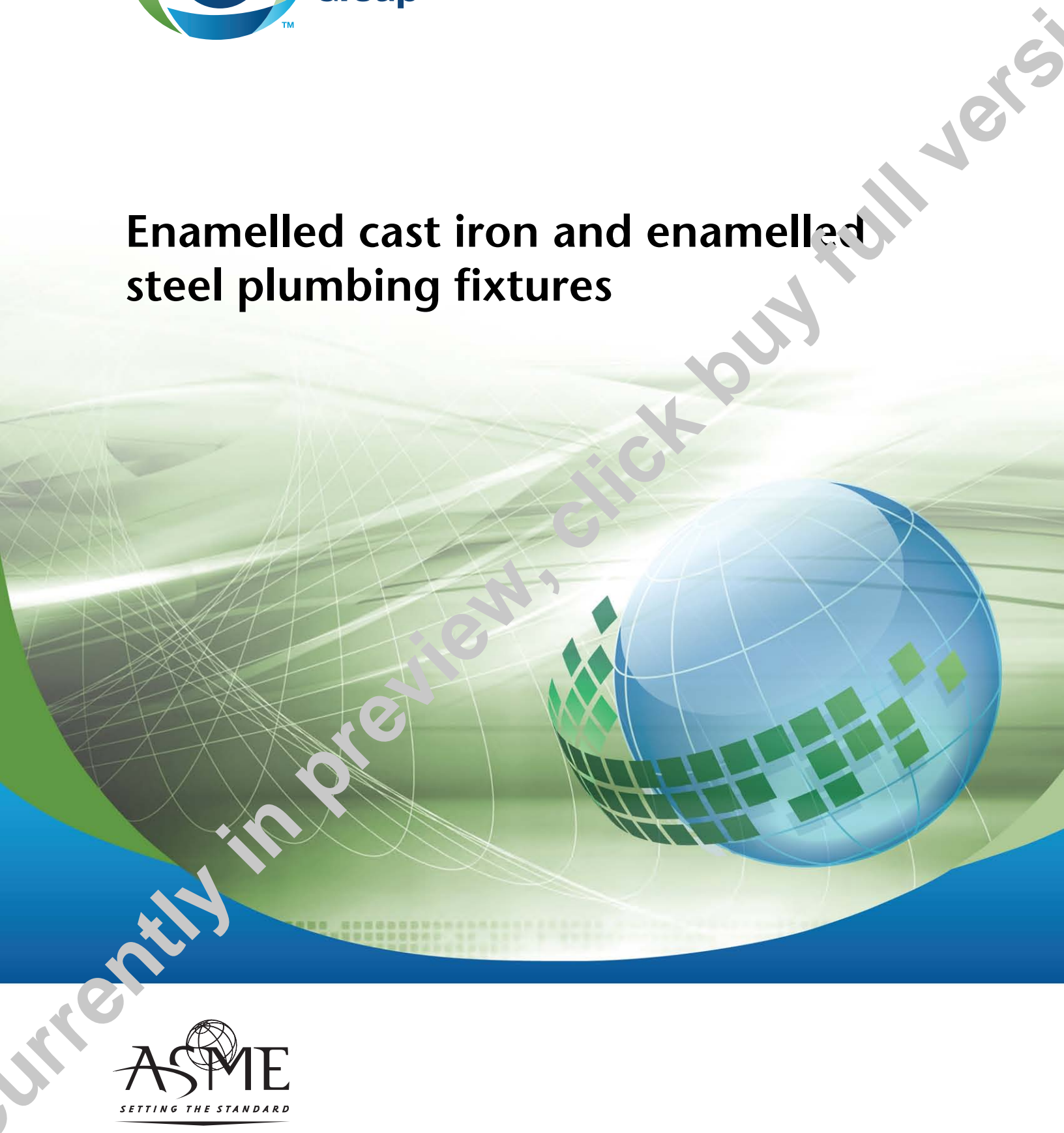




**CSA
Group**

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

Enamelled cast iron and enamelled steel plumbing fixtures



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Preface

This is the second edition of ASME A112.19.1/CSA B45.2, *Enamelled cast iron and enamelled steel plumbing fixtures*.

This Standard replaces ASME A112.19.1/CSA-B45.2, *Enamelled cast-iron and enameled steel plumbing fixtures*, published in 2008.

This edition of ASME A112.19.1/CSA B45.2 includes the following:

- (a) **Table 1** has been updated to include additional defects;
- (b) deletion of the following definitions:
 - (i) Lifting;
 - (ii) Orange peel;
 - (iii) Pinhole; and
 - (iv) Pop-off;
- (c) amendment of the definition for “Lump”;
- (d) shower outlet dimensions have been added;
- (e) alternative slip resistant coverage has been added;
- (f) the warpage test has been amended for clarity;
- (g) the flange test has been amended to make it consistent with other standards; and
- (h) 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 June 26, 2013.

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 - *phrase the question as a request for an interpretation of a specific requirement suitable for general understanding*

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- (3) This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.
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ASME A112.19.1-2013/CSA B45.2-13

Enamelled cast iron and enamelled steel 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 enamelled cast iron and enamelled steel plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings.

1.2

This Standard covers the following plumbing fixtures:

- (a) bathtubs;
- (b) drinking fountains and water coolers;
- (c) lavatories;
- (d) shower bases; and
- (e) sinks:
 - (i) kitchen and bar sinks;
 - (ii) laundry sinks;
 - (iii) service sinks; and
 - (iv) utility sinks.

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.

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.