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ANSI/AWWA D102-17
(Revision of ANSI/AWWA D102-14)

AWWA Standard

Coating Steel Water- Storage Tanks

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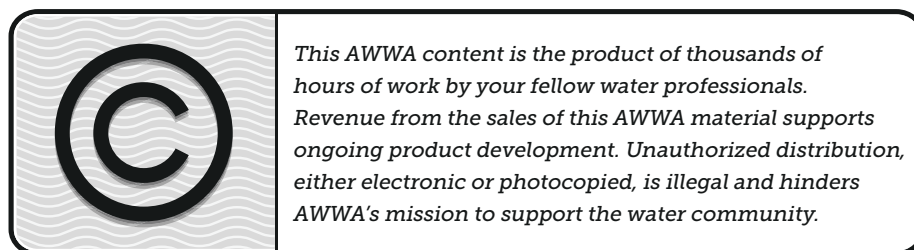
AWWA Standard

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Contents

All AWWA standards follow the general format indicated subsequently. Some variations from this format may be found in a particular standard.

SEC.	PAGE	SEC.	PAGE
<i>Foreword</i>		4.6	Surface Preparation 14
I	Introduction vii	4.7	Application..... 17
I.A	Background..... vii	4.8	Safety Precautions 18
I.B	History..... vii	5	Verification
I.C	Acceptance vii	5.1	Inspection and Testing 18
II	Special Issues..... viii	5.2	First-Anniversary Inspection..... 18
III	Use of This Standard viii	6	Affidavit of Compliance
III.A	Purchaser Options and Alternatives ix	6.1	Affidavit Statement..... 19
III.B	Modification to Standard ix	<i>Appendixes</i>	
IV	Major Revisions..... ix	A	Selection and Use of Coating Systems
V	Comments ix	A.1	General 21
<i>Standard</i>		A.2	Outside Coating Systems..... 22
1	General	A.3	Inside Coating Systems..... 25
1.1	Scope 1	A.4	Dissimilar Metals 27
1.2	Purpose 1	A.5	Inaccessible Areas 28
1.3	Application..... 1	A.6	Inside of Nonwater-Containing Elevated Tank Pedestals..... 36
2	References 1	A.7	Surface Preparation 36
3	Definitions 3	A.8	Coating Application 41
4	Requirements	A.9	Tank Lettering and Logos (Signage) 43
4.1	Materials. 4	A.10	Testing and Inspection 44
4.2	Data to Be Provided 4	A.11	First-Anniversary Inspection..... 45
4.3	Outside Coating Systems..... 5	A.12	Placing in Service 46
4.4	Inside Coating Systems..... 10	A.13	Cathodic Protection System Considerations 46
4.5	Coating Materials..... 13		

SEC.	PAGE	SEC.	PAGE
A.14	Bibliography	46	
B	Environmental Concerns	49	
C	Default Checklist	51	
		<i>Tables</i>	
		1	Portions of the Tank Surface Considered for Recoating 20
		A.1	Roof Construction Options for New Tanks..... 33

Foreword

This foreword is for information only and is not a part of ANSI/AWWA D102.

I. Introduction

I.A. *Background.* The purpose of this standard is to provide an outline of methods and coating systems that can be used for coating or recoating steel tanks for water storage. Immediately after the final approval of ANSI/AWWA D102-14, the AWWA Standards Committee on Steel Elevated Tanks, Standpipes, and Reservoirs directed the D102 Revision Task Force to start work on this edition. The final standards committee letter ballot on this edition closed on March 16, 2017.

I.B. *History.* The first edition of this standard was prepared by a joint committee of AWWA and the New England Water Works Association (NEWWA) and was approved as tentative on May 9, 1952. Revisions were made on June 2, 1953, May 24, 1954, and Aug. 5, 1955. The second edition of this standard was approved as tentative on Jan. 23, 1962, and was approved by the AWWA Board of Directors on Feb. 11, 1964. The third edition was approved on Jan. 28, 1978, and subsequently withdrawn on June 23, 1991. ANSI/AWWA D102 was reissued as the fourth edition and subsequently approved on Feb. 2, 1997. The fifth edition was approved on Jan. 19, 2003; the sixth edition on June 11, 2006; the seventh edition on June 12, 2011; the eighth edition on June 8, 2014; and this ninth edition on June 11, 2017.

I.C. *Acceptance.* In May 1985, the US Environmental Protection Agency (USEPA) entered into a cooperative agreement with a consortium led by NSF International (NSF) to develop voluntary third-party consensus standards and a certification program for all direct and indirect drinking water additives. Other members of the original consortium included the Water Research Foundation (formerly AwwaRF) and the Conference of State Health and Environmental Managers (COSHEM). The American Water Works Association (AWWA) and the Association of State Drinking Water Administrators (ASDWA) joined later.

In the United States, authority to regulate products for use in, or in contact with, drinking water rests with individual states.[†] Local agencies may choose to impose requirements more stringent than those required by the state. To evaluate the health

* American National Standards Institute, 25 West 43rd Street, Fourth Floor, New York, NY 10036.

† Persons outside the United States should contact the appropriate authority having jurisdiction.

effects of products and drinking water additives from such products, state and local agencies may use various references, including

1. Specific policies of the state or local agency.
2. Two standards developed under the direction of NSF International:* NSF/ANSI 60, Drinking Water Treatment Chemicals—Health Effects, and NSF/ANSI 61, Drinking Water System Components—Health Effects.
3. Other references, including AWWA standards, *Food Chemicals Codex*, *Water Chemicals Codex*,† and other standards considered appropriate by the state or local agency.

Various certification organizations may be involved in certifying products in accordance with NSF/ANSI 61. Individual states or local agencies have authority to accept or accredit certification organizations within their jurisdictions. Accreditation of certification organizations may vary from jurisdiction to jurisdiction.

Annex A, “Toxicology Review and Evaluation Procedures,” to NSF/ANSI 61 does not stipulate a maximum allowable level (MAL) of a contaminant for substances not regulated by a USEPA final maximum contaminant level (MCL). The MALs of an unspecified list of “unregulated contaminants” are based on toxicity testing guidelines (noncarcinogens) and risk characterization methodology (carcinogens). Use of Annex A procedures may not always be identical, depending on the certifier.

ANSI/AWWA D102 does not address additives requirements. Users of this standard should consult the appropriate state or local agency having jurisdiction in order to

1. Determine additives requirements, including applicable standards.
2. Determine the status of certifications by all parties offering to certify products for contact with, or treatment of, drinking water.
3. Determine current information on product certification.

II. Special Issues.

Volatile organic compound (VOC) emission and extractable regulations continue to become more restrictive and vary greatly from state to state and within states. The user of this AWWA standard should review current federal, state or provincial, and local regulations when selecting products in this standard.

III. Use of This Standard. It is the responsibility of the user of this AWWA standard to determine that the products described in this standard are suitable for use in the particular locale and application being considered.

* NSF International, 789 North Dixboro Road, Ann Arbor, MI 48105.

† Both publications available from National Academy of Sciences, 500 Fifth Street, NW, Washington, DC 20001.