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Association**

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ANSI/AWWA C217-16
(Revision of ANSI/AWWA C217-09)

AWWA Standard

Microcrystalline Wax and Petrolatum Tape Coating Systems for Steel Water Pipe and Fittings

Effective date: Aug. 1, 2016.

First edition approved by AWWA Board of Directors June 21, 1990.

This edition approved Jan. 16, 2016.

Approved by American National Standards Institute Jan. 8, 2016.



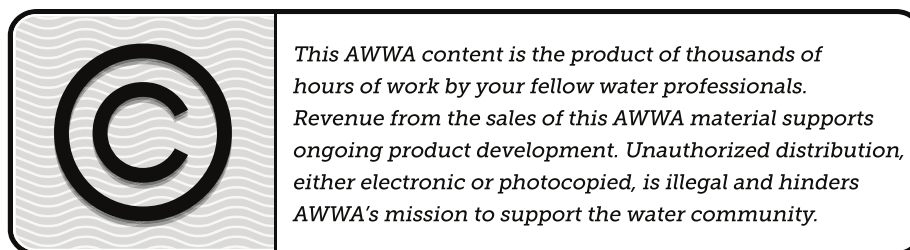
AWWA Standard

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ISBN-13, print: 978-1-62576-174-3

eISBN-13, electronic: 978-1-61300-385-5

DOI: <http://dx.doi.org/10.12999/AWWA.C217.16>

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Foreword

This foreword is for information only and is not a part of ANSI/AWWA C217.

I. Introduction.

I.A. *Background.* This standard was developed to provide information on cold-applied petrolatum tape coatings and petroleum wax tape coatings for external use on special sections, connections, and fittings for buried or submerged steel water pipelines. The latest edition of the standard (2016) was updated to provide a more accurate description of the tape made with microcrystalline wax and petrolatum.

I.B. *History.* Development of this standard was authorized by the American Water Works Association (AWWA) Standards Council on Nov. 3, 1986. The first edition was approved by the AWWA Board of Directors on June 21, 1990. Subsequent revisions to ANSI/AWWA C217 were prepared by the AWWA Standards Committee and approved on June 17, 1995; Jan. 24, 1999; Jan. 18, 2004; and Jan. 25, 2009. This edition was approved on Jan. 16, 2016.

II. Special Issues.

II.A. *Advisory Information on Product Application.* This standard defines the performance of cold-applied petrolatum tape and petroleum wax tape coatings establishing the quality desired for long-term protection and prevention of corrosion. It applies to the exterior coating of steel water pipelines for underground and underwater installation under normal conditions. It is based on previous experience but is not designed for unqualified use under all conditions. The advisability of its use for any installation must be reviewed by the purchaser. If an extended period of aboveground storage of coated pipe is anticipated, the material's ability to resist degradation by ultra-violet light and other atmospheric and environmental conditions should be considered.

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

III.A. *Purchaser Options and Alternatives.* The following items should be provided by the purchaser.

1. Standard used that is, ANSI/AWWA C217, Microcrystalline Wax and Petrolatum Tape Coating Systems for Steel Water Pipe and Fittings, of latest revision.
2. Any exceptions to the standard that may be required.

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3. Expected aboveground exposure time (foreword, Section II.A).
4. Description and dimensions of each type of special section for each type of exterior protection.
 - a. Normal or average conditions.
 - b. Unusual conditions (Sec. 1.1.1).
5. Physical properties of primer and coating (Table 1).
6. Coating-system thickness (Sec. 4.3.3.4).
7. Surface preparation (Sec. 4.4.1).
8. Tape coating repair (Sec. 4.4.4).
9. Inspection (Sec. 5.4).
10. Testing (Sec. 5.2).
11. Packaging and shipping (Sec. 6.2).
12. Affidavit of compliance, if required (Sec. 6.3).

III.B. *Modification to Standard.* Any modification to the provisions, definitions, or terminology in this standard must be provided by the purchaser.

IV. Major Revisions. Major revisions made to the standard in this edition include the following:

1. The title and scope of the standard were changed to add an additional wax type and expand the intended usage to include steel fittings.
2. The definition for petrolatum was revised and a new definition for micro-crystalline wax was added in place of petroleum wax (Section 3).
3. Section 4 was modified to be consistent with the formatting and section numbers of other AWWA coating standards.
4. Table 1 was modified and new Tables 2, 3, and 4 were added to include information and requirements consistent with changes made to other AWWA coating standards.
5. The minimum breaking strength in Table 3 was modified to more accurately reflect the industry-accepted minimum.
6. Minimum thickness of primer listed in Table 4 was modified to require complete coverage to more accurately reflect industry practice.
7. Sec. 4.3 was modified to include the option of using a wax-based filler material in the coating system.
8. Portions of Sec. 4.5, Field Procedures, language were deleted and the reader is referred to AWWA C604 to be consistent with changes in other AWWA coating standards.