



**American Water Works
Association**

The Authoritative Resource for Safe Drinking WaterSM

ANSI/AWWA C215-04
(Revision of ANSI/AWWA C215-99)

AWWA Standard

Extruded Polyolefin Coatings for the Exterior of Steel Water Pipelines



Effective date: July 1, 2004.

First edition approved by AWWA Board of Directors June 19, 1988.

This edition approved Jan. 18, 2004.

Approved by American National Standards Institute Apr. 30, 2004

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Foreword

This foreword is for information only and is not a part of ANSI/AWWA C215.

I. Introduction.

I.A. *Background.* Extruded polyolefin pipe-coating systems were first applied on steel pipe in 1956 using a crosshead-die extrusion system. In 1965, side extrusion was introduced in Europe and became available in the United States in 1972.

I.B. *History.* The first edition of AWWA C215 was approved by the AWWA Board of Directors on June 19, 1988, and had an effective date of Jan. 1, 1989. The second edition of AWWA C215 was approved by the AWWA Board of Directors on Jan. 30, 1994, and had an effective date of Nov. 1, 1994. The third edition incorporated the latest technology and requirements. It was approved on June 20, 1999. This fourth edition of AWWA C215 was approved by the AWWA Board of Directors on Jan. 18, 2004.

II. **Special Issues.** ANSI/AWWA C215 is intended to govern the exterior coating of steel water pipelines for underground or underwater installation under normal conditions. It is based on current experience, but it is not intended for unqualified use under all conditions. The applicability of its use for any installation must be reviewed by the purchaser.

Currently, significant experience in extruded polyolefin coatings applied to steel water pipe is limited to polyethylene (PE) material.

Extruded polyolefin coatings described in ANSI/AWWA C215 can be shop-applied to straight lengths of steel water pipe up to 146 in. (3,650 mm) diameter. Two coating-application systems are described in the standard: the crosshead-die system up to 36 in. (900 mm) diameter; and the side-extrusion system up to 146 in. (3,650 mm) diameter.

III. **Use of 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 specified by the purchaser:

1. Standard used—that is, ANSI/AWWA C215, Extruded Polyolefin Coatings for the Exterior of Steel Water Pipelines, of latest edition.
2. Any exceptions to the standard.