



Standard Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe¹

This standard is issued under the fixed designation A849; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This specification covers post-applied coatings, pavings, and linings for corrugated steel pipe and corrugated steel structural plate pipe, pipe-arches, and arches coated, paved, or lined with specified materials over either metallic coatings or metallic coatings with polymer coatings. This specification includes asphalt, polymerized asphalt, polymer, mastic, and emulsion coatings and asphalt and concrete pavements and linings applied to the pipe in the producing plant, as well as, asphalt and mastic coatings applied in the field. Field-applied concrete pavements and linings are covered by Specification [A979/A979M](#). The pipe to which the coatings are applied is described in Specifications [A760/A760M](#), [A761/A761M](#), and [A762/A762M](#).

1.2 There is no cleaning operation currently included in pipe coating practice. However, experience has shown that a clean substrate provides good adherence for both cold- and hot-applied post coatings. The performance of post coating or lining, or both, will depend on the surface cleanliness over which it is applied.

1.3 The values stated in inch-pound units are to be regarded as standard. The values given in brackets are for information only.

1.4 The following safety hazards caveat pertains only to the test methods portions, Sections 11 and 12, of this specification. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This specification is under the jurisdiction of ASTM Committee A05 on Metallic-Coated Iron and Steel Products and is the direct responsibility of Subcommittee A05.17 on Corrugated Steel Pipe Specifications.

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2. Referenced Documents

2.1 ASTM Standards:²

- [A185/A185M](#) Specification for Steel Welded Wire Reinforcement, Plain, for Concrete (Withdrawn 2013)³
- [A615/A615M](#) Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
- [A742/A742M](#) Specification for Steel Sheet, Metallic Coated and Polymer Precoated for Corrugated Steel Pipe
- [A760/A760M](#) Specification for Corrugated Steel Pipe, Metallic-Coated for Sewers and Drains
- [A761/A761M](#) Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
- [A762/A762M](#) Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains
- [A862/A862M](#) Practice for Application of Asphalt Coatings to Corrugated Steel Sewer and Drainage Pipe
- [A926](#) Test Method for Comparing the Abrasion Resistance of Coating Materials for Corrugated Metal Pipe
- [A979/A979M](#) Specification for Concrete Pavements and Linings Installed in Corrugated Steel Structures in the Field
- [C31/C31M](#) Practice for Making and Curing Concrete Test Specimens in the Field
- [C33](#) Specification for Concrete Aggregates
- [C39/C39M](#) Test Method for Compressive Strength of Cylindrical Concrete Specimens
- [C150](#) Specification for Portland Cement
- [C309](#) Specification for Liquid Membrane-Forming Compounds for Curing Concrete
- [C595](#) Specification for Blended Hydraulic Cements

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

*A Summary of Changes section appears at the end of this standard