



Designation: A 934/A 934M – 034

Standard Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars¹

This standard is issued under the fixed designation A 934/A 934M; 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 deformed and plain steel reinforcing bars which prior to surface preparation are prefabricated and then coated with a protective fusion-bonded epoxy coating by electrostatic spray or other suitable method.

1.2 Prefabricated steel reinforcing bars coated with fusion-bonded epoxy formulations in accordance with this specification are not intended to be bent or rebent.

NOTE 1—Experience has shown epoxy-coated prefabricated steel reinforcing bars have limited capability to be successfully field bent or rebent (see 9.3.1). If the construction project requires epoxy-coated steel reinforcing bars that must be able to sustain field bending or rebending, the use of coated bars conforming to Specification A 775/A 775M should be considered.

1.3 Organic coatings other than epoxy may be used provided they meet the requirements of this specification.

1.4 Requirements for epoxy coatings are contained in Annex A1.

1.5 Guidelines for application process and product test procedures of epoxy coatings for steel reinforcing bars are presented in Appendix X1.

1.6 Guidelines for construction practices at the job-site for coated steel reinforcing bars are presented in Appendix X2.

1.7 This specification is applicable for orders in either SI (metric) units (as Specification A 934M) or inch-pound units [as Specification A 934].

1.8 The values stated in either SI or inch-pound units are to be regarded as standard. Within the text, the inch-pound units are shown in brackets. The values stated in the two systems are not exact equivalents: therefore, each system must be used independently of the other. Combining values from the systems may result in nonconformance with this specification.

1.9 *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 A01 on Steel, Stainless Steel, and Related Alloys and is the direct responsibility of Subcommittee A01.05 on Steel Reinforcement.

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