



SECTION 1036

REINFORCING STEEL FOR CONCRETE

1036.1 Scope. This specification covers reinforcing steel to be used in concrete.

1036.2 Acceptance.

1036.2.1 All material shall be obtained from a source identified on the PAL designated for this specification. The source shall be listed on the PAL at the time the material is incorporated into the project.

1036.2.2 All material will be inspected and accepted in accordance with [Sec 106](#).

1036.2.3 AASHTO specifications, when referenced, will control only the physical properties, chemical properties and handling and storage of the material, except as otherwise specified herein or shown on the plans.

1036.3 Reinforcing Steel for Concrete Structures.

1036.3.1 Unless otherwise specified, reinforcement shall be deformed bars in accordance with AASHTO M 31.

1036.3.2 Spiral reinforcement shall be in accordance with [Sec 1036.3.1](#), except that the reinforcement may be plain or deformed or shall be cold drawn steel wire in accordance with AASHTO M 32 or deformed steel wire in accordance with AASHTO M 225.

1036.3.3 Steel welded wire reinforcement shall be in accordance with AASHTO M 55 or AASHTO M 221.

1036.4 Epoxy Coated Reinforcing Steel.

1036.4.1 Epoxy coated reinforcing steel shall be in accordance with ASTM A 775/A 775M except as otherwise specified herein or shown on the plans.

1036.4.1.1 Only steel in accordance with [Sec 1036.3.1](#) shall be used.

1036.4.1.2 Coated bars shall not be spliced except as shown on the plans.

1036.4.1.3 Organic coatings, other than epoxy, shall not be used.

1036.4.1.4 Patching or repair material shall be compatible with the coating, inert in concrete and in accordance with the epoxy resin manufacturer's recommendations. The material shall be epoxy and be suitable for application at the plant or in the field to uncoated areas and damaged areas of the coating.

1036.5 Documentation.

1036.5.1 Documentation of uncoated steel shall include the steel manufacturer's certified mill test report showing complete chemical and physical test results for each heat.

1036.5.2 Documentation of coated steel shall include the coating applicator's certification that all material used, the preparation of the bars, coating and curing are in accordance with these specifications, and that no bar contains more than one holiday per linear foot. The certification shall include or have attached specific results of tests of coating thickness and flexibility of coating.