
**Zinc-coated steel for the reinforcement of
concrete**

Aciers revêtus de zinc pour l'armature du béton

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14657 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 16, *Steels for the reinforcement and prestressing of concrete*.

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Zinc-coated steel for the reinforcement of concrete

1 Scope

This International Standard specifies requirements for hot-dip zinc (galvanized) coating on steel reinforcing bars, wire and welded fabric used in the reinforcement of concrete.

It specifies three classes, class A, class B and class C coatings, which differ in coating mass (see 6.2.3).

This International Standard does not apply to hot-dip zinc-coated reinforcements for prestressing or components of these reinforcements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 752:2004, *Zinc ingots*

ISO 1460:1992, *Metallic coatings — Hot dip galvanized coatings on ferrous materials — Gravimetric determination of the mass per unit area*

ISO 1461:1999, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods*

ISO 2178:1982, *Non-magnetic coatings on magnetic substrates — Measurement of coating thickness — Magnetic method*

ISO 6935-1:1991, *Steel for the reinforcement of concrete — Part 1: Plain bars*

ISO 6935-2:1991, *Steel for the reinforcement of concrete — Part 2: Ribbed bars*

ISO 6935-3:1992, *Steel for the reinforcement of concrete — Part 3: Welded fabric*

ISO 10474, *Steel and steel products — Inspection documents*

ISO 10544:1992, *Cold-reduced steel wire for the reinforcement of concrete and the manufacture of welded fabric*

ISO 15630-1:2002, *Steel for the reinforcement and prestressing of concrete — Test methods — Part 1: Reinforcing bars, wire rod and wire*

ISO 15630-2:2002, *Steel for the reinforcement and prestressing of concrete — Test methods — Part 2: Welded fabric*

ISO 16020:2004, *Steel for the reinforcement and prestressing of concrete — Vocabulary*