
**Continuous hot-dip zinc-coated and
zinc-iron alloy-coated carbon steel
sheet of structural quality**

*Tôles en acier au carbone revêtues de zinc ou d'un alliage zinc-fer en
continu par immersion à chaud, de qualité destinée à la construction*



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This sixth edition cancels and replaces the fifth edition (ISO 4998:2011), which has been technically revised.

Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of structural quality

1 Scope

1.1 This International Standard specifies continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of structural quality.

1.2 The product is intended for applications where resistance to corrosion is of prime importance.

1.3 The steel sheet is produced in a number of grades, coating masses, ordering conditions, and surface treatments.

1.4 This International Standard does not cover steels designated as commercial quality, or drawing quality, which are covered in ISO 3575[2].

2 Normative references

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

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

ISO 3497, *Metallic coatings — Measurement of coating thickness — X-ray spectrometric methods*

ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

ISO 7438, *Metallic materials — Bend test*

ISO 16163:2012, *Continuously hot-dipped coated steel sheet products — Dimensional and shape tolerances*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

continuous hot-dip zinc-coated steel sheet

product obtained by hot-dip coating of cold-reduced sheet coils or hot-rolled descaled sheet coils on a continuous zinc-coating line

3.2

normal coating

coating formed as a result of unrestricted growth of zinc crystals during normal solidification

Note 1 to entry: This coating has a metallic lustre and is of the type normally furnished for a wide variety of applications. It can be furnished as S or N; however, it can be variable in appearance and is not suitable for decorative painting.