
**Continuous hot-dip zinc-coated and
zinc-iron alloy-coated carbon steel
sheet of commercial and drawing
qualities**

*Tôles en acier au carbone galvanisées en continu par immersion à
chaud, de qualité commerciale et pour emboutissage*

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Contents

Page

Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Dimensions	3
5 Conditions of manufacture	3
5.1 Steelmaking	3
5.2 Chemical composition	3
5.3 Chemical analysis	3
5.3.1 Heat analysis	3
5.3.2 Product analysis	4
5.4 Mechanical properties	5
5.4.1 Ordering conditions	5
5.4.2 Fabrication qualities	5
5.4.3 Interstitial free steel	5
5.5 Coating	7
5.5.1 Coating mass	7
5.5.2 Coating adherence	7
5.6 Weldability	8
5.7 Painting	8
5.8 Surface treatment	8
5.8.1 Mill passivation	8
5.8.2 Mill phosphating	8
5.8.3 Oiling	9
5.9 Coated coil joining	9
5.10 Dimensional and shape tolerances	9
6 Sampling	9
6.1 Tensile test	9
6.2 Coating tests	9
6.2.1 Coating mass	9
6.2.2 Triple-spot test	9
6.2.3 Single-spot test	9
6.2.4 Coating adherence	10
7 Test methods	10
7.1 Tensile test	10
7.2 Coating properties	10
7.2.1 Coating mass	10
7.2.2 Coating adherence	10
8 Designation system	10
8.1 General	10
8.2 Coating designation	10
8.3 Coating mass	10
8.4 Coating finish condition	11
8.5 Surface treatment	11
8.6 Base-metal quality designation	11
8.7 Examples	11
9 Retests	12
9.1 Machining and flaws	12
9.2 Elongation	12
9.3 Additional tests	12
10 Resubmission	12

11	Workmanship	13
12	Inspection and acceptance	13
13	Coil size	13
14	Marking	13
15	Information to be supplied by the purchaser	14
Annex A (normative) Orders requiring base-metal thickness		15
Bibliography		16

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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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

This fifth edition cancels and replaces the fourth edition (ISO 3575:2011), which has been technically revised.

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Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities

1 Scope

This document is applicable to the requirements for steel sheet, in coils and cut lengths, metallic-coated by the continuous hot-dip process, with zinc and zinc-iron alloy coatings.

The product is intended for applications requiring corrosion resistance, formability and paintability.

The steel sheet is produced in a number of designations, coating masses, surface treatments and coating conditions designed to be compatible with differing application requirements.

This document does not cover steels designated as structural quality, which are covered in ISO 4998^[1].

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1460, *Metallic coatings — Hot dip galvanized coatings on ferrous materials — Gravimetric determination of the mass per unit area*

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, *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.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at <http://www.electropedia.org/>

— ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

commercial

intended for general fabricating purposes where sheet is used in the flat condition, or for bending or moderate forming

3.2

drawing

intended for parts where drawing or severe forming may be involved