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**Steel sheet, 55 % aluminium-zinc  
alloy-coated by the continuous hot-dip  
process, of commercial, drawing and  
structural qualities**

*Tôles en acier revêtues en continu par immersion à chaud d'une  
couche d'alliage aluminium-zinc 55 % de qualité commerciale, pour  
emboutissage ou destinées à la construction*



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# Contents

Page

<b>Foreword</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Dimensions</b> .....	<b>2</b>
<b>5 Conditions of manufacture</b> .....	<b>3</b>
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.....	3
5.4 Mechanical properties.....	4
5.4.1 Commercial and drawing quality.....	4
5.4.2 Structural quality.....	5
5.5 Coating.....	6
5.5.1 Coating mass.....	6
5.5.2 Coating adherence.....	7
5.6 Weldability.....	7
5.7 Painting.....	7
5.8 Coating finish condition.....	7
5.9 Surface treatment.....	8
5.9.1 Mill passivation.....	8
5.9.2 Oiling.....	8
5.10 Coated coil joining.....	8
5.11 Dimensional and shape tolerances.....	8
<b>6 Sampling</b> .....	<b>8</b>
6.1 Tensile test.....	8
6.2 Coating tests.....	8
6.2.1 Coating mass.....	8
6.2.2 Triple-spot test.....	8
6.2.3 Single-spot test.....	9
6.2.4 Coating adherence.....	9
<b>7 Test methods</b> .....	<b>9</b>
7.1 Tensile test.....	9
7.2 Coating properties.....	9
7.2.1 Coating mass.....	9
7.2.2 Coating adherence.....	9
<b>8 Designation system</b> .....	<b>9</b>
8.1 General.....	9
8.2 Coating designation.....	9
8.3 Coating mass.....	10
8.4 Coating finish condition.....	10
8.5 Surface treatment.....	10
8.6 Base-metal quality.....	10
8.7 Examples.....	10
<b>9 Retests</b> .....	<b>11</b>
9.1 Machining and flaws.....	11
9.2 Elongation.....	11
9.3 Additional tests.....	11
<b>10 Resubmission</b> .....	<b>11</b>

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

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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](http://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](http://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 voluntary nature of standards, 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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This fifth edition cancels and replaces the fourth edition (ISO 9364:2011), which has been technically revised.



# Steel sheet, 55 % aluminium-zinc alloy-coated by the continuous hot-dip process, of commercial, drawing and structural 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 55 % aluminium-zinc alloy coating.

The product is intended for applications requiring the corrosion characteristics of aluminium coupled with those of zinc, or heat resistance, or both.

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

## 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 <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **commercial**

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

### 3.2

#### **drawing**

base-metal quality intended for parts where drawing or severe forming may be involved