
**Continuous hot-dip metallic-coated steel
sheet for corrugated steel pipe**

*Tôles en acier revêtues en continu par immersion à chaud pour tuyaux
d'acier strié*



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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 16172 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This second edition cancels and replaces the first edition (ISO 16172:2006), which has been technically revised.

Continuous hot-dip metallic-coated steel sheet for corrugated steel pipe

1 Scope

This International Standard specifies the requirements for steel sheet used in the manufacture of corrugated steel pipe for storm sewers, culverts, drains, and similar uses. It covers sheet which is metallic coated by the continuous hot-dip process and is furnished in coils, flat cut lengths, and corrugated cut lengths.

Several metallic-coated materials are covered which relies on users to determine which product best serves their needs. Four different metallic coatings are included:

- zinc coated;
- zinc-5 % aluminium-mischmetal alloy coated;
- 55 % aluminum-zinc alloy coated;
- Al-Si alloy coated.

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

3 Terms, definitions and abbreviations

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

3.1 Terms and definitions

3.1.1

fabricator

⟨for corrugated metal pipe⟩ the organization that produces the finished pipe

3.1.2

fabricator

⟨for structural plate pipe⟩ the organization that processes flat sheets and other items necessary for the field assembly of finished products