
**Vitreous and porcelain enamels —
Production of specimens for testing
enamels on sheet steel, sheet aluminium
and cast iron**

*Émaux vitrifiés — Production d'éprouvettes pour l'essai des émaux sur
la tôle d'acier, la tôle d'aluminium et la fonte*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 28764 was prepared by the European Committee for Standardization (CEN) (as EN 15206) and was adopted, under a special "fast-track procedure", by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, in parallel with its approval by the ISO member bodies.

It cancels and replaces ISO 2723:1995, ISO 2724:1978 and ISO 13804:1999, which have been technically revised.

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Vitreous and porcelain enamels — Production of specimens for testing enamels on sheet steel, sheet aluminium and cast iron

1 Scope

This International Standard specifies a method for the production of specimens suitable for testing vitreous and porcelain enamel coatings.

It specifies two different specimens:

- specimens taken from production articles;
- specially produced specimens.

NOTE Only the specially produced specimens can be used when the loss in mass per unit area of the enamel coating is to be determined quantitatively, as specimens cut from enamelled articles can reduce the accuracy of the test method.

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.

EN 14430, *Vitreous and porcelain enamels — High voltage test*

3 Designation

Specimens prepared in accordance with this International Standard shall have the following designation:

Specimen: ISO 28764-(substrate)

where a steel substrate is designated by A, a cast iron substrate by B and an aluminium substrate by C.

EXAMPLE The designation of a specimen prepared in accordance with this International Standard using a steel substrate is:

Specimen: ISO 28764-A

4 Specimens from production articles

4.1 Requirements for the articles used

The specimens shall be taken from a production article that has been produced using the normal production parameters. Reworked articles shall not be used as a source of specimens.