

INTERNATIONAL STANDARD

ISO 2745

Second edition
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Vitreous and porcelain enamels — Determination of resistance to hot sodium hydroxide

*Émaux vitrifiés — Détermination de la résistance à la soude caustique
chaude*



Reference number
ISO 2745:1998(E)

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.

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.

International Standard ISO 2745 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 6, *Vitreous and porcelain enamels*.

This second edition cancels and replaces the first edition (ISO 2745:1973), which has been technically revised.

Annex A of this International Standard is for information only.

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Vitreous and porcelain enamels — Determination of resistance to hot sodium hydroxide

1 Scope

This International Standard specifies a method of test for determining the resistance of flat surfaces of vitreous and porcelain enamels to a hot solution of sodium hydroxide.

NOTE — This method of test may also be used for determining the chemical resistance of enamels to other alkaline agents and can also be carried out at temperatures below 80° C, but this should be stated in the test report.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1042 : —¹⁾, *Laboratory glassware — One-mark volumetric flasks.*

ISO 2723 : 1995, *Vitreous and porcelain enamels for sheet steel — Production of specimens for testing.*

ISO 2724 : 1973, *Vitreous and porcelain enamels for cast iron — Production of specimens for testing.*

ISO 2734 : 1997, *Vitreous and porcelain enamels — Apparatus for testing with alkaline liquids.*

ISO 3696 : 1987, *Water for analytical laboratory use — Specification and test methods.*

1) To be published. (Revision of ISO 1042:1983).