

SLOVENSKI STANDARD SIST EN ISO 4528:2009

01-april-2009

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Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2000)

Emails und Emaillierungen - Auswahl von Prüfverfahren für emaillierte Flächen von Erzeugnissen (ISO 4528:2000) TANDARD PREVIEW

Finitions des émaux vitrifiés - Choix des méthodes d'essai applicables aux surfaces émaillées de pièces (ISO 4528:2000)

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Ta slovenski standard je istoveten z: EN ISO 4528-2009

ICS:

25.220.50 Emajlne prevleke Enamels

SIST EN ISO 4528:2009 en

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iTeh STANDARD PREVIEW (standards.iteh.ai)

EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 4528

January 2009

ICS 25.220.50

English Version

Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2000)

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 4528:2009 (E)

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iTeh STANDARD PREVIEW (standards.iteh.ai)

EN ISO 4528:2009 (E)

Foreword

The text of ISO 4528:2000 has been prepared by Technical Committee ISO/TC 107 "Metallic and other inorganic coatings" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 4528:2009 by Technical Committee CEN/TC 262 "Metallic and other inorganic coatings" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2009, and conflicting national standards shall be withdrawn at the latest by July 2009.

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Endorsement notice

The text of ISO 4528:2000 has been approved by CEN as a EN ISO 4528:2009 without any modification.

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INTERNATIONAL STANDARD

ISO 4528

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Vitreous and porcelain enamel finishes — Selection of test methods for vitreous and porcelain enamelled areas of articles

Finitions des émaux vitrifiés — Choix des méthodes d'essai applicables aux surfaces émaillées de pièces

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ISO 4528:2000(E)

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ISO 4528:2000(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.

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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.

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International Standard ISO 4528 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*.

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ISO 4528:2000(E)

Introduction

Standard test methods are required for measuring and controlling the properties and hence also the quality of vitreous and porcelain enamelled finishes.

To ensure that these finishes meet the requirements of various applications, test methods should be chosen to measure the properties that are important to the function of a specific enamelled article.

iTeh STANDARD PREVIEW (standards.iteh.ai)

Vitreous and porcelain enamel finishes — Selection of test methods for vitreous and porcelain enamelled areas of articles

1 Scope

This International Standard is a guide to the selection of test methods for evaluating the performance of vitreous and porcelain enamelled finishes in different applications. It references the test methods available for measuring the properties of these finishes, and correlates these properties to requirements of specific enamelled articles.

It is limited for the most part to test methods that are described in ISO International Standards and does not provide acceptance criteria or performance limits for the properties.

This International Standard applies to all enamelled articles irrespective of their basis metals.

2 Normative references iTeh STANDARD PREVIEW

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards. Standards. 150–1528–2009

- ISO 2178, Non-magnetic coatings on magnetic substrates Measurement of coating thickness Magnetic method.
- ISO 2360, Non-conductive coatings on non-magnetic basis metals Measurement of coating thickness Eddy current method.
- ISO 2722, Vitreous and porcelain enamels Determination of resistance to citric acid at room temperature.
- ISO 2742, Vitreous and porcelain enamels Determination of resistance to boiling citric acid.
- ISO 2743, Vitreous and porcelain enamels Determination of resistance to condensing hydrochloric acid vapour.
- ISO 2744, Vitreous and porcelain enamels Determination of resistance to boiling water and water vapour.
- ISO 2745, Vitreous and porcelain enamels Determination of resistance to hot sodium hydroxide.
- ISO 2746, Vitreous and porcelain enamels Enamelled articles for service under highly corrosive conditions High voltage test.
- ISO 2747, Vitreous and porcelain enamels Enamelled cooking utensils Determination of resistance to thermal shock.
- ISO 4530, Vitreous and porcelain enamelled manufactured articles Determination of resistance to heat.
- ISO 4531-1, Vitreous and porcelain enamels Release of lead and cadmium from enamelled ware in contact with food Part 1: Method of test.

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