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NSAI Standards

Irish Standard
I.S. EN ISO 4528:2015

Vitreous and porcelain enamel finishes - Guide to selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2015)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 4528

February 2015

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Supersedes EN ISO 4528:2009

English Version

Vitreous and porcelain enamel finishes - Guide to selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2015)

Finitions en émail vitrifié - Guide pour le choix des méthodes d'essai applicables aux surfaces émaillées de pièces (ISO 4528:2015)

Emails und Emaillierungen - Leitlinie zur Auswahl von Prüfverfahren für emaillierte Flächen von Erzeugnissen (ISO 4528:2015)

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Foreword

This document (EN ISO 4528:2015) has been prepared by Technical Committee ISO/TC 107 " Metallic and other inorganic coatings" in collaboration with 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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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INTERNATIONAL STANDARD

ISO 4528

Second edition
2015-02-15

Vitreous and porcelain enamel finishes — Guide to selection of test methods for vitreous and porcelain enamelled areas of articles

Finitions en émail vitrifié — Guide pour le choix des méthodes d'essai applicables aux surfaces émaillées de pièces

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Foreword

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ISO 4528 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 4528:2000), which has been technically revised.

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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 have to be chosen to measure the properties that are important to the function of a specific enamelled article.

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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 the requirements of specific enamelled articles.

It is limited for the most part to test methods that are described in ISO International/European 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 Selection of test methods

The properties of enamelled surfaces are listed in Table 1, along with the numbers of the ISO test methods by which they may be measured. The table identifies the tests that should be performed to assess the performance of 30 specific enamelled articles. Suitable standard test methods are selected by noting the specific tests recommended in the column for each of the enamelled articles.

The following symbols are used in Table 1.

— + testing in accordance with the method given is suitable;

— (+) the test method that is cited may need to be modified to take into account special requirements of a specific application;

— - the test is not applicable and/or the test method is not suitable.

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