



National Standards Authority of Ireland

IRISH STANDARD

I.S.EN 14864+A1:2007

ICS 25.220.50

**VITREOUS AND PORCELAIN ENAMELS -
ENAMEL COATINGS APPLIED TO STEEL FOR
WRITING SURFACES - SPECIFICATION**

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EUROPEAN STANDARD

EN 14864:2005+A1

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Supersedes EN 14864:2005

English Version

Vitreous and porcelain enamels - Enamel coatings applied to steel for writing surfaces - Specification

Emaux vitrifiés - Revêtements émaillés appliqués sur l'acier de surfaces d'écriture - Spécification

Emails und Emaillierungen - Email-Schichten auf Stahl für Schreibtafeln - Anforderungen

This European Standard was approved by CEN on 8 July 2005 and includes Amendment 1 approved by CEN on 13 August 2007.

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Foreword

This document (EN 14864:2005+A1:2007) has been prepared 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of an identical text or by endorsement, at the latest by March 2008, and conflicting national standards shall be withdrawn at the latest by March 2008.

This document supersedes EN 14864:2005.

This document includes Amendment 1, approved by CEN on 2007-08-13.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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EN 14864:2005+A1:2007 (E)

1 Scope

This European Standard specifies the requirements for the functional and aesthetic characteristics of vitreous or porcelain enamel coatings applied to plain steel for use as writing surfaces (whiteboards and chalkboards).

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 101, *Ceramic tiles - Determination of scratch hardness of surface according to Mohs*

EN 10209: 1996, *Cold rolled low carbon steel flat products for vitreous enamelling — Technical delivery conditions*

EN 14483-1:2004 ^{A1}, *Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 1: Determination of resistance to chemical corrosion by acids at room temperature*

EN ISO 2178, *Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method (ISO 2178:1982)*

EN ISO 2813, *Paints and varnishes - Determination of specular gloss of non-metallic paint films at 20°, 60° and 85° (ISO 2813:1994, including Technical Corrigendum 1:1997)*

EN ISO 15695, *Vitreous and porcelain enamels - Determination of scratch resistance of enamel finishes (ISO 15695:2000, including Technical Corrigendum 1:2000)*

ISO 4532, *Vitreous and porcelain enamels - Determination of the resistance of enamelled articles to impact - Pistol test*

ISO 7724-1, *Paints and varnishes — Colorimetry — Part 1: Principles*

ISO 7724-2, *Paints and varnishes — Colorimetry — Part 2: Colour measurement*

ISO 7724-3, *Paints and varnishes — Colorimetry — Part 3: Calculation of colour differences*

ASTM C501, *Standard test method for relative resistance to wear of unglazed ceramic tiles by the Taber Abrader*

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