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Irish Standard
I.S. EN ISO 28721-4:2015

Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings (ISO 28721-4:2015)

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National Foreword

I.S. EN ISO 28721-4:2015 is the adopted Irish version of the European Document EN ISO 28721-4:2015, Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings (ISO 28721-4:2015)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 28721-4

November 2015

ICS 25.220.50

Supersedes EN ISO 28721-4:2012

English Version

Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings (ISO 28721-4:2015)

Émaux vitrifiés - Appareils émaillés pour les installations industrielles - Partie 4: Exigences de qualité pour les tubes et raccords à brides en acier émaillé (ISO 28721-4:2015)

Emails und Emaillierungen - Emaillierte Apparate für verfahrenstechnische Anlagen - Teil 4: Qualitätsanforderungen an Flansch-Rohre und Flansch-Formstücke aus Stahl mit Emaillierung (ISO 28721-4:2015)

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European foreword

This document (EN ISO 27821-4:2015) 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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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INTERNATIONAL STANDARD

ISO 28721-4

Second edition
2015-11-01

Vitreous and porcelain enamels — Glass-lined apparatus for process plants —

Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings

Émaux vitrifiés — Appareils émaillés pour les installations industrielles —

Partie 4: Exigences de qualité pour les tubes et raccords à brides en acier émaillé

Reference number
ISO 28721-4:2015(E)

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Foreword

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The committee responsible for this document is ISO/TC 107, *Metallic and other inorganic coatings*.

This second edition cancels and replaces the first edition (ISO 28721-4:2010), which has been technically revised.

ISO 28721 consists of the following parts, under the general title *Vitreous and porcelain enamels — Glass-lined apparatus for process plants*:

— *Part 1: Quality requirements for apparatus, components, appliances and accessories*

— *Part 2: Designation and specification of resistance to chemical attack and thermal shock*

— *Part 3: Thermal shock resistance*

— *Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings*

— *Part 5: Presentation and characterization of defects*

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Vitreous and porcelain enamels — Glass-lined apparatus for process plants —

Part 4: Quality requirements for glass-lined flanged steel pipes and flanged steel fittings

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1 Scope

This part of ISO 28721 specifies the quality requirements for glass-lined flanged steel pipes and flanged steel fittings used for process plants.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2746, *Vitreous and porcelain enamels — High voltage test*

ISO 5817, *Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections*

ISO 8501-1, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*

ISO 12944-5, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems*

ISO 28706-2, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours*

ISO 28706-4, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel*

ISO 28706-5, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 5: Determination of resistance to chemical corrosion in closed systems*

EN 1708-1, *Welding — Basic welded joint details in steel — Part 1: Pressurized components*

EN 10204, *Metallic products — Types of inspection documents*

EN 13480-2, *Metallic industrial piping — Part 2: Materials*

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