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Vitreous and porcelain enamels - Glass lined flanged steel pipes and flanged steel fittings - Quality requirements

I.S. EN 15711:2009

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Vitreous and porcelain enamels - Glass lined flanged steel pipes and flanged steel fittings - Quality requirements

Emaux vitrifiés - Tubes et raccords avec brides en acier
revêtus d'émail vitrifiés - Exigences de qualité

Emails und Emaillierungen - Flansch-Rohre und Flansch-
Formstücke aus Stahl mit Emaillierung -
Qualitätsanforderungen

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Foreword

This document (EN 15711:2009) 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of an identical text or by endorsement, at the latest by November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

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1 Scope

This European Standard specifies the quality requirements for glass lined flanged steel pipes and flanged steel fittings.

2 Normative references

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

EN 1708-1, *Welding — Basic weld 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*

EN 13480-3:2002, *Metallic industrial piping — Part 3: Design and calculation*

EN 14430, *Vitreous and porcelain enamels — High voltage test*

EN 14483-2, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 2: Determination of resistance to chemical corrosion by boiling acids, neutral liquids and/or their vapours*

EN 14483-4, *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*

EN 14483-5, *Vitreous and porcelain enamels — Determination of resistance to chemical corrosion — Part 5: Determination of resistance to chemical corrosion in closed systems*

EN ISO 5817, *Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections (ISO 5817:2003, corrected version:2005, including Technical Corrigendum 1:2006)*

EN 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 8501-1:2007)*

EN ISO 12944-5, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems (ISO 12944-5:2007)*

DIN 2873, *Flanged steel pipes and flanged steel fittings glass lined — PN 10 and PN 25*

3 Materials for steel parts

The materials to be used shall be selected by the purchaser or the manufacturer in accordance with EN 13480-2 where the material chosen shall be suitable for enamelling.

NOTE 1 An example for a material suitable for enamelling is P275NH.

NOTE 2 Materials in accordance with appropriate national regulations such as VdTÜV WB may be agreed between the interested parties.

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