

SVENSK STANDARD

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**Emalj – Glasbelagda apparater för processindustri –
Del 2: Beteckning och angivande av beständighet mot kemisk
attack och termisk chock (ISO 28721-2:2015)**

**Vitreous and porcelain enamels – Glass-lined apparatus for
process plants –
Part 2: Designation and specification of resistance to chemical
attack and thermal shock (ISO 28721-2:2015)**



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Europastandarden EN ISO 28721-2:2015 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN ISO 28721-2:2015.

Denna standard ersätter SS-EN ISO 28721-2:2011, utgåva 1.

The European Standard EN ISO 28721-2:2015 has the status of a Swedish Standard. This document contains the official English version of EN ISO 28721-2:2015.

This standard supersedes the Swedish Standard SS-EN ISO 28721-2:2011, edition 1.

**Förhållandet till övriga delar under samma huvudtitel - Utdrag ur Förord i ISO 28721-2:2015/
Relations to other parts under the same general title - Extract from the Foreword of ISO 28721-2:2015.**

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 characterisation of defects*

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Denna standard är framtagen av kommittén för Oorganiska ytbeläggningar, SIS/TK 116.

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EUROPEAN STANDARD

EN ISO 28721-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2015

ICS 25.220.50

Supersedes EN ISO 28721-2:2011

English Version

Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 2: Designation and specification of resistance to chemical attack and thermal shock (ISO 28721-2:2015)

Émaux vitrifiés - Appareils émaillés pour les installations industrielles - Partie 2: Désignation et spécifications de la résistance à l'attaque chimique et au choc (ISO 28721-2:2015)

Emails und Emailierungen - Emailierte Apparate für verfahrenstechnische Anlagen - Teil 2: Bezeichnung und Festlegung der chemischen und Temperaturschockbeständigkeit (ISO 28721-2:2015)

This European Standard was approved by CEN on 1 November 2015.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN ISO 28721-2:2015) 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 June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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Endorsement notice

The text of ISO 28721-2:2015 has been approved by CEN as EN ISO 28721-2:2015 without any modification.

Introduction

For many materials, the chemical composition can serve as a basis for a specification. This is not possible for chemical enamels because the composition is tied very closely to the specific enamelling technique and is therefore not disclosed by the manufacturer for competitive reasons. In order to ascribe measurable attributes to an enamel besides its general designation, the manufacturer conducts standardized tests and specifies its enamel in terms of the resulting resistance to corrosion and thermal shock, together with a declaration of the structure of the cover coat enamel and the colour of the enamel.

The quality requirements stated in this part of ISO 28721 represent the minimum requirements a chemical enamel is expected to meet based on the current state of the art.