



# SLOVENSKI STANDARD SIST EN ISO 28722:2012

01-januar-2012

Nadomešča:  
SIST EN 14431:2004

---

## Steklasti in porcelanski emajli - Lastnosti emajlnih prevlek na jeklenih ploščah v arhitekturi (ISO 28722:2008)

Vitreous and porcelain enamels - Characteristics of enamel coatings applied to steel panels intended for architecture (ISO 28722:2008)

Emails und Emaillierungen - Merkmale von Emailsichten auf Architektur-Stahlpaneelen (ISO 28722:2008)

Émaux vitrifiés - Caractéristiques des couches d'émail appliquées sur les panneaux d'acier destinés à l'architecture (ISO 28722:2008)

Ta slovenski standard je istoveten z: EN ISO 28722:2011

---

### **ICS:**

25.220.50      Emajlne prevleke      Enamels

**SIST EN ISO 28722:2012**      en,fr,de

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 28722:2012

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>

EUROPEAN STANDARD

EN ISO 28722

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2011

ICS 25.220.50

Supersedes EN 14431:2004

English Version

## Vitreous and porcelain enamels - Characteristics of enamel coatings applied to steel panels intended for architecture (ISO 28722:2008)

Émaux vitrifiés - Caractéristiques des couches d'émail appliquées sur les panneaux d'acier destinés à l'architecture (ISO 28722:2008)

Emails und Emailierungen - Merkmale von Emailsichten auf Architektur-Stahlpaneelen (ISO 28722:2008)

This European Standard was approved by CEN on 3 March 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

**Contents**

Page

Foreword.....3

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

SIST EN ISO 28722:2012

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>

## Foreword

The text of ISO 28722:2008 has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 28722:2011 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 September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14431:2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

ITEH STANDARD PREVIEW  
(standards.iteh.ai)  
Endorsement notice

The text of ISO 28722:2008 has been approved by CEN as a EN ISO 28722:2011 without any modification.

SIST EN ISO 28722:2012  
<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 28722:2012

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>

INTERNATIONAL  
STANDARD

ISO  
28722

First edition  
2008-10-15

---

---

**Vitreous and porcelain enamels —  
Characteristics of enamel coatings  
applied to steel panels intended for  
architecture**

*Émaux vitrifiés — Caractéristiques des couches d'émail appliquées sur  
les panneaux d'acier destinés à l'architecture*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 28722:2012

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>



Reference number  
ISO 28722:2008(E)

© ISO 2008

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 28722:2012](https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012)

<https://standards.iteh.ai/catalog/standards/sist/a5b7e166-52e2-4c40-a90a-9942ca9e5e24/sist-en-iso-28722-2012>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



## Contents

Page

Foreword .....	iv
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>2</b>
<b>4 Requirements for heavy and light gauge steel enamelled panels .....</b>	<b>2</b>
4.1 Steel .....	2
4.2 Application of coating .....	2
4.3 Final thickness of fired enamel .....	2
<b>5 Functional characteristics of enamel coating .....</b>	<b>3</b>
5.1 Adherence test .....	3
5.2 Porosity test .....	3
5.3 Abrasion resistance .....	3
5.4 Impact resistance .....	4
5.5 Surface hardness (Mohs) .....	4
5.6 Scratch resistance .....	4
5.7 Flatness .....	4
5.8 Acid resistance .....	4
<b>6 Aesthetic characteristics of enamel coating .....</b>	<b>4</b>
6.1 Surface appearance .....	4
6.2 Gloss .....	4
6.3 Colour .....	5
<b>7 Resistance to graffiti .....</b>	<b>5</b>