



**SLOVENSKI STANDARD**  
**SIST EN ISO 10545-16:2012**

**01-maj-2012**

**Nadomešča:**

**SIST EN ISO 10545-16:2002**

---

**Keramične ploščice - 16. del: Ugotavljanje majhnih barvnih razlik (ISO 10545-16:2010)**

Ceramic tiles - Part 16: Determination of small colour differences (ISO 10545-16:2010)

Keramische Fliesen und Platten - Teil 16: Bestimmung kleiner Farbabweichungen (ISO 10545-16:2010)

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

Carreaux et dalles céramiques - Partie 16: Détermination de faibles différences de couleur (ISO 10545-16:2010)

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)  
<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

**Ta slovenski standard je istoveten z: EN ISO 10545-16:2012**

---

**ICS:**

91.100.23      Keramične ploščice      Ceramic tiles

**SIST EN ISO 10545-16:2012**      **en,fr,de**

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

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 10545-16**

February 2012

ICS 91.100.23

Supersedes EN ISO 10545-16:2000

English Version

**Ceramic tiles - Part 16: Determination of small colour differences  
(ISO 10545-16:2010)**

Carreaux et dalles céramiques - Partie 16: Détermination  
de faibles différences de couleur (ISO 10545-16:2010)

Keramische Fliesen und Platten - Teil 16: Bestimmung  
kleiner Farbabweichungen (ISO 10545-16:2010)

This European Standard was approved by CEN on 29 January 2012.

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, Turkey and United Kingdom.

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>



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 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)  
<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

## Foreword

The text of ISO 10545-16:2010 has been prepared by Technical Committee ISO/TC 189 "Ceramic tile" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10545-16:2012 by Technical Committee CEN/TC 67 "Ceramic tiles" the secretariat of which is held by UNI.

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 August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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 ISO 10545-16:2000.

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, Turkey and the United Kingdom.

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

Endorsement notice

The text of ISO 10545-16:2010 has been approved by CEN as a EN ISO 10545-16:2012 without any modification.

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

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

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

INTERNATIONAL  
STANDARD

ISO  
10545-16

Second edition  
2010-03-15

---

---

**Ceramic tiles —**

**Part 16:  
Determination of small colour differences**

*Carreaux et dalles céramiques —*

*Partie 16: Détermination de faibles différences de couleur*

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

[SIST EN ISO 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>



Reference number  
ISO 10545-16:2010(E)

© ISO 2010

## ISO 10545-16:2010(E)

**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 10545-16:2012](https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012)

<https://standards.iteh.ai/catalog/standards/sist/3b2dd07a-03a2-459d-beb4-2fe23d3585c7/sist-en-iso-10545-16-2012>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2010

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



## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 10545-16 was prepared by Technical Committee ISO/TC 189, *Ceramic tile*.

This second edition cancels and replaces the first edition (ISO 10545-16:1999), 3.5 and 7.2 of which have been technically revised.

ISO 10545 consists of the following parts, under the general title *Ceramic tiles*:

- *Part 1: Sampling and basis for acceptance*
- *Part 2: Determination of dimensions and surface quality*
- *Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density*
- *Part 4: Determination of modulus of rupture and breaking strength*
- *Part 5: Determination of impact resistance by measurement of coefficient of restitution*
- *Part 6: Determination of resistance to deep abrasion for unglazed tiles*
- *Part 7: Determination of resistance to surface abrasion for glazed tiles*
- *Part 8: Determination of linear thermal expansion*
- *Part 9: Determination of resistance to thermal shock*
- *Part 10: Determination of moisture expansion*
- *Part 11: Determination of crazing resistance for glazed tiles*
- *Part 12: Determination of frost resistance*
- *Part 13: Determination of chemical resistance*
- *Part 14: Determination of resistance to stains*
- *Part 15: Determination of lead and cadmium given off by glazed tiles*
- *Part 16: Determination of small colour differences*