

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

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 10545-16:2012 sisaldab Euroopa standardi EN ISO 10545-16:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 10545-16:2012 consists of the English text of the European standard EN ISO 10545-16:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 29.02.2012.	Date of Availability of the European standard is 29.02.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 91.100.23

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English Version

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(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.

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

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## 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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.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.

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### Endorsement notice

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

# Ceramic tiles —

## Part 16:

## Determination of small colour differences

### 1 Scope

This part of ISO 10545 describes a method for utilizing colour measuring instruments for quantifying the small colour differences between plain coloured ceramic tiles, which are designed to be of uniform and consistent colour. It permits the specification of a maximum acceptable value, which depends only on the closeness of match and not on the nature of the colour difference.

This part of ISO 10545 is not applicable to colour variations produced for artistic purposes.

**NOTE** This test is applicable only when small colour differences between plain coloured tiles are important in a specification or by agreement.

### 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.

ISO 105-J03:2009, *Textiles — Tests for colour fastness — Part J03: Calculation of colour differences*

CIE 015:2004, *Colorimetry*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **chroma**

attribute of colour that is defined as deviation from grey of the same lightness

**NOTE** The more a colour deviates from grey, the higher the chroma.

#### 3.2

##### **lightness**

parameter that relates the colour to a continuous grey scale between white and black