



NSAI
Standards

Irish Standard
I.S. EN ISO 10545-1:2014

Ceramic tiles - Part 1: Sampling and basis for acceptance (ISO 10545-1:2014)

I.S. EN ISO 10545-1:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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English Version

Ceramic tiles - Part 1: Sampling and basis for acceptance (ISO 10545-1:2014)

Carreaux et dalles céramiques - Partie 1: Échantillonnage et conditions de réception (ISO 10545-1:2014)

Keramische Fliesen und Platten - Teil 1: Probenahme und Grundlagen für die Annahme (ISO 10545-1:2014)

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EN ISO 10545-1:2014 (E)

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Foreword

This document (EN ISO 10545-1:2014) has been prepared by Technical Committee ISO/TC 189 “Ceramic tile” in collaboration with 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of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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.

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Endorsement notice

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**INTERNATIONAL
STANDARD**

**ISO
10545-1**

Second edition
2014-10-01

Ceramic tiles —

**Part 1:
Sampling and basis for acceptance**

Carreaux et dalles céramiques —

Partie 1: Échantillonnage et conditions de réception



Reference number
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ISO 10545-1:2014(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 189, *Ceramic Tiles*.

This second edition cancels and replaces the first edition (ISO 10545-1:1995), which has 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*

Ceramic tiles —

Part 1: Sampling and basis for acceptance

1 Scope

This part of ISO 10545 specifies rules for batching, sampling, inspection, and acceptance/rejection of ceramic tiles.

2 Terms and definitions

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

2.1

order

quantity of tiles ordered at one time

Note 1 to entry: An order may consist of one or more consignments.

2.2

consignment

quantity of tiles delivered during a period of 2 d

2.3

homogeneous consignment/subconsignment

consignment or subconsignment that consists of tiles from one manufacturer, produced under conditions and with properties that are presumed uniform

2.4

inspection lot

quantity of tiles submitted for inspection manufactured by one manufacturer under conditions and with properties that are presumed uniform

2.5

sample

specified number of tiles taken from an inspection lot

2.6

sample size

number of tiles to be tested for each property

2.7

requirement

required characteristic as specified for the property in the relevant product standard

2.8

non-conforming unit

tile that does not meet the requirement for the property concerned

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