

STN	Keramické obkladové prvky Časť 4: Stanovenie pevnosti pri ohybe a medze pevnosti (ISO 10545-4: 2019)	STN EN ISO 10545-4 72 5110
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Ceramic tiles - Part 4: Determination of modulus of rupture and breaking strength (ISO 10545-4:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/19

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English Version

Ceramic tiles - Part 4: Determination of modulus of rupture and breaking strength (ISO 10545-4:2019)

Carreaux et dalles céramiques - Partie 4:
Détermination de la résistance à la flexion et de la force
de rupture (ISO 10545-4:2019)

Keramische Fliesen und Platten - Teil 4: Bestimmung
der Biegefestigkeit und der Bruchlast (ISO 10545-
4:2019)

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EN ISO 10545-4:2019 (E)

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European foreword

This document (EN ISO 10545-4:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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

This document supersedes EN ISO 10545-4:2014.

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Endorsement notice

The text of ISO 10545-4:2019 has been approved by CEN as EN ISO 10545-4:2019 without any modification.

INTERNATIONAL STANDARD

ISO 10545-4

Fourth edition
2019-02

Ceramic tiles —

Part 4:

Determination of modulus of rupture and breaking strength

Carreaux et dalles céramiques —

*Partie 4: Détermination de la résistance à la flexion et de la force
de rupture*



Reference number
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ISO 10545-4:2019(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 of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 189, *Ceramic tile*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This fourth edition cancels and replaces the third edition (ISO 10545-4:2014), which has been technically revised. The main changes compared to the previous edition are as follows:

- test specimens are tested in different format size according to their work size thickness that can be minor or greater/equal than 7,5 mm;
- the minimum number of specimen to be tested has been changed.

A list of all parts in the ISO 10545 series can be found on the ISO website.

Ceramic tiles —

Part 4:

Determination of modulus of rupture and breaking strength

1 Scope

This document specifies a test method for determining the modulus of rupture and breaking strength of all ceramic tiles.

NOTE ISO 13006 provides property requirements for tiles and other useful information on these products.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

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