

Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022)

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NATIONAL FOREWORD

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EUROPEAN STANDARD

EN ISO 10545-18

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English Version

Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022)

Carreaux et dalles céramiques - Partie 18:
Détermination de la valeur de réflectance lumineuse
(LRV) (ISO 10545-18:2022)

Keramische Fliesen und Platten - Teil 18: Bestimmung
des Lichtreflexionswertes (LRW) (ISO 10545-18:2022)

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

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European foreword

This document (EN ISO 10545-18:2022) 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of an identical text or by endorsement, at the latest by October 2022, and conflicting national standards shall be withdrawn at the latest by October 2022.

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.

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Endorsement notice

The text of ISO 10545-18:2022 has been approved by CEN as EN ISO 10545-18:2022 without any modification.

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
5.1 Type of instrument.....	2
5.2 Instrument setup.....	2
5.3 Instrument calibration and standards.....	2
6 Preparation of test specimens	3
6.1 Solid coloured tiles.....	3
6.2 Multi-coloured, non-uniform shade, speckled or textured surface tile.....	3
7 Test	3
7.1 Measurement on solid coloured surfaces.....	3
7.2 Measurement on multi-coloured surfaces.....	3
7.3 Measurement on non-uniform shade, speckled or textured surface.....	4
8 Test report	4
Bibliography	6

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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This document was prepared by Technical Committee ISO/TC 189, *Ceramic tile*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 67, *Ceramic tiles*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Ceramic tiles —

Part 18:

Determination of light reflectance value (LRV)

1 Scope

The objective of this document is to define a test method to determine the light reflectance value (LRV) of ceramic tiles, including mosaic tiles.

It is applicable to solid-coloured, multicoloured and non-uniform shade tile surfaces including tile with flame effects, speckled or textured with different types of finishing.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

solid coloured surface

surface with colour uniformity and same shade value

3.2

multi-coloured surface

surface formed by distinct areas of different colour, which when viewed from a distance of 3 m, remain distinct, or surface formed from small colour specks, which when viewed from a distance of 1 m, assume the appearance of one colour

3.3

non-uniform shade surface

surface with a certain shade variability

3.4

speckled surface

surface or covered with small marks, spots, or shake

3.5

textured surface

surface that causes extreme angular dependences of reflected light and that has a superficial texture with maximum peak-valley distance <2 mm