

BS 5385-3:2014



BSI Standards Publication

Wall and floor tiling – Part 3: Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions – Code of practice

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 88, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 5385 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 30 November 2014. It was prepared by Technical Committee B/539, *Ceramic tiles and other rigid tiling*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 5385 supersedes BS 5385-3:2007, which is withdrawn.

Relationship with other publications

This part of BS 5385 is one of a series dealing with the installation of floor and wall tiling the other parts being:

- Part 1: *Design and installation of ceramic natural stone and mosaic wall tiling in normal internal conditions – Code of practice;*
- Part 2: *Design and installation of external ceramic and mosaic wall tiling in normal conditions – Code of practice;*
- Part 4: *Design and installation of ceramic and mosaic tiling in special conditions – Code of practice;*
- Part 5: *Design and installation of terrazzo, natural stone and agglomerated stone tile and slab flooring – Code of practice.*

Information about this document

This is a full revision of the standard, and introduces the following principal changes:

- details on thin tiles and panels;
- the inclusion of underfloor heating;
- the use of calcium sulfate-based screeds;
- updated recommendations on slip resistance.

Assessed capability. Users of this British Standard are advised to consider the desirability of quality system assessment and registration against the appropriate standard in the BS EN ISO 9000 series by an accredited third-party certification body.

Use of this document

As a code of practice, this part of BS 5385 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this part of BS 5385 is expected to be able to justify any course of action that deviates from its recommendations.

Users seeking assistance in identifying appropriate conformity assessment bodies or schemes may ask BSI to forward their enquiries to the relevant association.

Presentational conventions

The provisions in this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

The word “should” is used to express recommendations of this standard. The word “may” is used in the text to express permissibility, e.g. as an alternative to the primary recommendation of the Clause. The word “can” is used to express possibility, e.g. a consequence of an action or an event.

Notes and commentaries are provided throughout the text of this standard. Notes give references and additional information that are important but do not form part of the recommendations. Commentaries give background information.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Attention is drawn to the following statutory regulations:

- Building and Construction Regulations under the Factories Act 1961 [1]
- Lifting Operations and Lifting Equipment Regulations (LOLER) 1998 [2]
- Manual Handling Operations Regulations 1992 [3]

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This part of BS 5385 gives recommendations for the design, installation and maintenance of floor tiling using ceramic tiles and mosaics bedded on concrete, cement and sand and calcium sulfate-based screeds, timber, flooring grade asphalt and existing hard floor finishes in normal conditions. For special conditions see BS 5385-4.

Tile fittings for use as skirting, step treads and channels are given in Annex A.

NOTE Where the floor tiling installation needs to meet specific functional or environmental requirements, or to assist in counteracting potentially detrimental effects on the installation and/or the structure, see BS 5385-4.

The special conditions described in BS 5385-4, for example, swimming pools, shower areas, etc., are given in Annex B.

Annex C gives recommendations for tiling onto underfloor heated bases and Annex D contains information on pumped calcium sulfate-based screeds.

Recommendations for the design and laying of levelling screeds are given in Annex E. Reference is made to tiles bedded directly to a concrete base, but for the design and construction of concrete bases see BS 8204-1.

Annex F contains a recommended method for assessing levels and surface regularity and Annex G has guidance on cement and sand bedding. Annex H is an informative annex providing guidance on the reduction of slip hazards.

The following flooring materials are not covered in this British Standard: natural stone (granite, slate, marble, etc.) tiles and slabs of terrazzo, and composition blocks (see BS 5385-5).

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.

BS 4551, *Mortar – Methods of test for mortar – Chemical analysis and physical testing*

BS 5385-4, *Wall and floor tiling – Part 4: Design and installation of ceramic and mosaic tiling in special conditions – Code of practice*

BS 5385-5, *Wall and floor tiling – Part 5: Design and installation of terrazzo, natural stone and agglomerated stone tiles and slabs – Code of practice*

BS 6213, *Selection of construction sealants – Guide*

BS 6925:1988, *Specification for mastic asphalt for building and civil engineering (limestone aggregate)*

BS 8000-11:2011, *Workmanship on building sites – Part 11: Internal and external wall and floor tiling – Ceramic and agglomerated stone tiles, natural stone and terrazzo tiles and slabs, and mosaics – Code of practice*

BS 8203:2001+A1:2009, *Code of practice for installation of resilient floor coverings*

BS 8204-1:2003+A1:2009, *Screeds, bases and in situ floorings – Part 1: Concrete bases and cement sand levelling screeds to receive floorings – Code of practice*

BS 8204-5, *Screeds, bases and in situ floorings – Part 5: Mastic asphalt underlays and wearing surfaces – Code of practice*