

BS 5385-2:2015



BSI Standards Publication

Wall and floor tiling –

Part 2: Design and installation of external ceramic, natural stone and mosaic wall tiling in normal conditions – Code of practice

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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 April 2015. 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This part of BS 5385 supersedes BS 5385-2:2006, which is withdrawn.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 3: *Design and installation of internal and external ceramic and mosaic floor 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, 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.

- includes recommendations on natural stone.
- expanded cement and sand mortar information.
- restrictions on mesh-backed mosaics above 3 m.
- includes repair in existing buildings.

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.

Presentational conventions

The provisions of 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.

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.

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

Particular attention is drawn to the following specific regulations:

- Building and Construction Regulations under the Factories Act [1]
- Lifting Operations and Lifting Equipment Regulations [2]
- Manual Handling Operations Regulations [3].

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1 Scope

This part of BS 5385 gives recommendations for the design and installation of external ceramic, natural stone and mosaic wall tiles in normal climatic conditions in the UK. It deals with the types of backgrounds and their suitability to receive tiling using the following fixing methods:

- a) bedding in cementitious or reaction resin adhesives on an intermediate substrate or as a direct bedding method;
- b) bedding mosaics in cement and sand mortar on rendering or as a direct bedding method on appropriate backgrounds.

NOTE Cement and sand mortar is seldom used as the bed for external wall tiling but, if needed, see BS 5385-1.

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 410-1, *Test sieves – Technical requirements and test methods – Part 1: Test sieves of metal wire cloth*

BS 1210, *Specification for wood screws*

BS 4483, *Steel fabric for the reinforcement of concrete – Specification*

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

BS 5385-1, *Wall and floor tiling – Part 1: Design and installation of ceramic natural stone and mosaic wall tiling in normal internal conditions – Code of practice*

BS 5974, *Code of practice for the planning, design, setting up and use of temporary suspended access equipment*

BS 6100-6, *Building and civil engineering – Vocabulary – Part 6: Construction parts*

BS 6213, *Selection of construction sealants – Guide*

BS 8000-11, *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 EN 197-1, *Cement – Part 1: Composition, specifications and conformity criteria for common cements*

BS EN 12004:2001, *Adhesives for ceramic tiles – Requirements, evaluation of conformity, classification and designation –*

BS EN 12057, *Natural stone products – Modular tiles – Requirements*

BS EN 12371, *Natural stone test methods – Determination of frost resistance*

BS EN 13139:2002, *Aggregates for mortar*

BS EN 13888:2009, *Grouts for tiles – Requirements, evaluation of conformity, classification and designation*

BS EN 13914-1:2005, *Design, preparation and application of external rendering and internal plastering – Part 1: External rendering*

BS EN 14411:2012, *Ceramic tiles – Definitions, classification, characteristics, evaluation of conformity and marking*