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BSI Standards Publication

Design and installation of natural stone cladding and lining

Part 5: Internal cladding and lining – 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 78, an inside back cover and a back cover.

Foreword

Publishing information

This part of [BS 8298](#) is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 30 June 2023. It was prepared by Technical Committee B/545, *Natural stone*. A list of organizations represented on this committee can be obtained on request to the committee manager.

Supersession

This part of [BS 8298](#) supersedes [BS 8298:1994](#) and partially supersedes [BS 8298-1:2010](#), which are withdrawn.

Relationship with other publications

[BS 8298](#) is published in the following parts:

- Part 2: *Traditional handset external cladding – Code of practice*;
- Part 3: *Stone-faced pre-cast concrete cladding systems – Code of practice*;
- Part 4: *Stone cladding on rainscreen support systems – Code of practice*; and
- Part 5: *Traditional handset internal cladding – Code of practice*.

Information about this document

To provide more consistency with other material design standards, it is the long-term goal for the partial safety factors presented in the British Standard to be derived from a reliability-based analysis in accordance with the principles of BS EN 1990:2020+A1:2005, Annex D. However, the values presented in this edition are derived from industry experience and a historical precedent of conformity and not a reliability-based analysis.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Use of this document

As a code of practice, this part of [BS 8298](#) takes the form of guidance and recommendations. It is not to be quoted as if it were a specification. Users are expected to ensure that claims of compliance are not misleading.

It has been assumed in the preparation of this part of [BS 8298](#) that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Users may substitute any of the recommendations in this part of [BS 8298](#) with practices of equivalent or better outcome. Any user claiming compliance with this part of [BS 8298](#) 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.

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.

Where words have alternative spellings, the preferred spelling of the *Shorter Oxford English Dictionary* is used (e.g. “organization” rather than “organisation”).

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1 Scope

This part of [BS 8298](#) gives recommendations for the design, installation and maintenance of internal cladding and lining of natural stone held directly to a structural background by fixings with or without adhesive. It is applicable for both commercial and residential locations.

It covers four categories of construction build up:

- a) internal cladding ≥ 20 mm thick, with a cavity, supported at each floor level, mechanically supported and restrained;
- b) internal lining ≤ 2.4 m height, ≥ 20 mm thick (e.g. ≥ 600 mm \times 600 mm to 2 400 mm \times 600 mm) supported at floor level, stack-bonded, on adhesive, mechanically restrained to the substrate;
- c) internal lining ≤ 2.4 m height, ≥ 12 mm to ≤ 20 mm (e.g. ≤ 600 mm \times 600 mm), supported at floor level, stack-bonded, on adhesive, mechanically restrained to the substrate; and
- d) ceilings, soffits and sloping surfaces with a cavity mechanically supported and restrained.

Stone held only by adhesion is not included.

It covers:

- 1) the sampling of stone for testing and production control testing (PCI);
- 2) the provisions necessary for cladding and lining to perform their function satisfactorily; and
- 3) the materials and methods most frequently used for stonework.

This document is not applicable to seismic loading or enhanced security scenarios (such as blast).

NOTE Different cladding methods are covered in the other parts of [BS 8298](#) (see Foreword).

This standard excludes composite stone slabs, such as honeycomb-backed stone, and open internal courtyards.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions, or limits the application, of this document¹⁾. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[BS 5234-1](#), Partitions (including matching linings) – Part 1: Code of practice for design and installation

[BS 5385-4](#), Wall and floor tiling – Part 4: Design and installation of ceramic and mosaic tiling in specific conditions – Code of practice

[BS 5606](#), Accuracy and tolerance in design and construction – Guide

[BS 5093](#), Design of joints and jointing in building construction – Guide

[BS EN 100-6](#), Building and civil engineering – Vocabulary – Part 6: Construction parts

[BS 6180](#), Barriers in and about buildings – Code of practice

[BS 8539](#), Code of practice for the selection and installation of post-installed anchors in concrete and masonry

[BS EN 197-1](#), Cement – Part 1: Composition, specifications and conformity criteria for common cements

[BS EN 413-1](#), Masonry cement – Part 1: Composition, specifications and conformity criteria

¹⁾ Documents that are referred to solely in an informative manner are listed in the Bibliography.