



BSI Standards Publication

**Recommendations for the design of
masonry structures to BS EN 1996-1-1
and BS EN 1996-2**

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Summary of pages

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Foreword

Publishing information

This Published Document is published by BSI and came into effect on 31 July 2019. It was prepared by Subcommittee B/525/6, *Use of masonry*, under the authority of Technical Committee B/525, *Building and civil engineering structures*. A list of organizations represented on these committees can be obtained on request to their secretary.

Supersession

This Published Document supersedes PD 6697:2010, which is withdrawn.

Information about this document

This Published Document is a background paper that gives non-contradictory complementary information for use in the UK with the following parts of BS EN 1996 *Design of masonry structures*, and their UK National Annexes:

- Part 1-1: General rules for reinforced and unreinforced masonry structures
- Part 2: Design considerations, selection of materials and execution of masonry.

This new edition of PD 6697 incorporates technical changes only; it does not represent a full review or revision of the standard, which will be undertaken in due course.

Use of this document

This publication is not to be regarded as a British Standard.

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.

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.

0 Introduction

When there is a need for guidance on a subject that is not covered by the Eurocode, a country can choose to publish documents that contain non-contradictory complementary information that supports the Eurocode. This Published Document provides just such information and has been cited as a reference in the UK National Annex to BS EN 1996-1-1.

1 Scope

This Published Document contains non-contradictory complementary information and additional guidance for use in the UK with BS EN 1996-1-1 and BS EN 1996-2.

BS EN 1996-1-2 and BS EN 1996-3 are not specifically dealt with, but this Published Document may be relevant.

Most of the material in this Published Document is taken from those parts of BS 5628-1, BS 5628-2, BS 5628-3 and BS EN 845 (all parts) that were not contradictory to the new BS EN 1996 series, but had to be withdrawn when those British Standards were withdrawn.

This Published Document does not cover the detailing of components for seismic design.

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 493, *Specification for air bricks and gratings for wall ventilation*

BS 1186-2, *Timber and workmanship in joinery – Part 2: Specification for workmanship*

BS 1186-3, *Timber and workmanship in joinery – Part 3: Specification for wood trim and its fixing*

BS 4486, *Specification for hot rolled and processed high tensile alloy steel bars for the prestressing of concrete*

BS 4729, *Clay bricks of special shapes and sizes – Recommendations*

BS 5440-1, *Fluing and ventilation for gas appliances of rated input not exceeding 70 kW net (1st, 2nd and 3rd family gases) – Part 1: Specification for installation of gas appliances to chimneys and for maintenance of chimneys*

BS 5617, *Specification for urea-formaldehyde (UF) foam systems suitable for thermal insulation of cavity walls with masonry or concrete inner and outer leaves*

BS 5618, *Code of practice for thermal insulation of cavity walls (with masonry or concrete inner and outer leaves) by filling with urea-formaldehyde (UF) foam systems*

BS 5642-1, *Sills, copings and cappings – Part 1: Specification for window sills of precast concrete, cast stone, clayware, slate and natural stone*

BS 5642-2, *Sills, copings and cappings – Part 2: Specification for copings and cappings of precast concrete, cast stone, clayware, slate and natural stone*

BS 5896, *High tensile steel wire and strand for the prestressing of concrete – Specification*

BS 6213, *Selection of construction sealants – Guide*

BS 6510, *Steel framed windows and glazed doors – Specification*