



BSI Standards Publication

## Sanitary installations

Part 3: Code of practice for the selection, installation and maintenance of sanitary and associated appliances

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### Summary of pages

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## Foreword

### Publishing information

This part of BS 6465 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 March 2020. It was prepared by Technical Committee B/209, *General building codes*. A list of organizations represented on this committee can be obtained on request to its secretary.

### Supersession

This part of BS 6465 supersedes BS 6465-3:2006, which is withdrawn.

### Relationship with other publications

BS 6465, *Sanitary installations*, is issued in four parts:

- Part 1: *Code of practice for the design of sanitary facilities and scales of provision of sanitary and associated appliances;*
- Part 2: *Code of practice for space requirements for sanitary appliances;*
- Part 3: *Code of practice for the selection, installation and maintenance of sanitary and associated appliances;*
- Part 4: *Code of practice for the provision of public toilets.*

Part 1 provides recommendations for the design of sanitary facilities and scales of provision of sanitary and associated appliances in new buildings and buildings undergoing major refurbishment. It also covers the recommended scale of provision of portable toilets.

Part 2 provides recommendations for the space requirements around all sanitary appliances to ensure convenience in use and to facilitate maintenance and cleaning.

Part 4 provides design considerations and recommendations for assessing the positioning and number of public toilets. It also includes publicly available toilets.

### Information about this document

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

- The standard has been extended by over 20 pages from the 2006 edition.
- Although the basic section structure of general/selection/installation/maintenance remains, there has been substantial restructuring within those sections.
- The document has been updated to reflect practices and expectations of the early 21st century.
- Revisions to other parts of BS 6465, along with relevant standards such as BS 8300 and BS EN 752, have been taken into account in revising this part of BS 6465.
- Changes in legislation within the UK and Europe have influenced the guidance provided.
- New figures and text have been produced to explain the backflow prevention techniques needed for installations connected to UK water supplies.
- New tables have been added to aid the selection of various items, including drainage systems and WCs. Existing tables have been revised and often extended to cover new and emerging options as well as new legislation.

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](https://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 British Standard 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 British Standard is expected to be able to justify any course of action that deviates from its recommendations.

### 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.*

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

### 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.

Attention is drawn to the requirements of the Construction Products Regulation 305/2011 [1] in relation to CE marking of products of the appropriate harmonized standard.

Particular attention is drawn to the water supply, drainage and related legislation and legislative guidance listed in [Annex A](#). The following generic references are made throughout this document.

- a) Water Fittings Regulations. In this document, the following national regulations, which set requirements relating to plumbing systems in premises to which a supply of public mains water has been provided, are referred to as “Water Fittings Regulations ([2], [3], [4])”:
  - 1) Water Supply (Water Fittings) Regulations 1999, as amended [2], in England and Wales;
  - 2) Water Supply (Water Fittings) (Scotland) Byelaws 2014 [3], in Scotland;
  - 3) Water Supply (Water Fittings) Regulations (Northern Ireland) 2009 [4], in Northern Ireland.
- b) Building Regulations. In this document, the following national regulations, which set requirements for the facilities, design and construction of buildings, are referred to as “Building Regulations ([5] to [8])”:
  - 1) Building Regulations 2010 [5], in England and Wales, as amended by the Welsh Government for application in Wales only [6];
  - 2) Building (Scotland) Act 2003 [7], in Scotland;
  - 3) Building Regulations (Northern Ireland) 2012 [8], in Northern Ireland.

- c) Water Quality Regulations. In this document, the following national regulations, which set minimum requirements for wholesome water, are referred to as “Water Quality Regulations ([9] to [16])”:
- 1) Water Supply (Water Quality) Regulations 2016 [9], in England;
  - 2) Water Supply (Water Quality) Regulations (Northern Ireland) 2017 [10], in Northern Ireland;
  - 3) Public Water Supplies (Scotland) Regulations 2014 [11], in Scotland;
  - 4) Water Supply (Water Quality) Regulations 2018 [12], in Wales;
  - 5) Private Water Supplies (England) Regulations 2016 [13], in England;
  - 6) Private Water Supplies Regulations (Northern Ireland) 2017 [14], in Northern Ireland;
  - 7) Private Water Supplies (Scotland) Regulations 2006, as amended [15], in Scotland;
  - 8) Private Water Supplies (Wales) Regulations 2017 [16], in Wales.

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# Section 1: Scope, normative references and definitions

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## 1 Scope

This part of BS 6465 gives recommendations for the selection, installation and maintenance of sanitary (water-using and waterless) and associated appliances to be provided in new and refurbished buildings.

It does not cover specialist appliances, such as those used for commercial laundry or catering premises, or those found in hospitals, health spas, laboratories and similar establishments.

*NOTE 1 Sanitary and associated appliances in hospitals and other healthcare buildings are covered by the general recommendations of this standard. Information on the scale of provision, ergonomic data and the special requirements for sanitary and associated appliances in hospitals can be found in the various guidance documents produced by NHS, e.g. Health Building Note 00-10 [17].*

This part of BS 6465 does not deal with the detailed provisions of water supply, sanitary pipework or drainage.

*NOTE 2 Information on water supply is given in BS EN 806 (all parts) and BS 9530, sanitary pipework in BS EN 12056-2; and drainage in BS EN 752.*

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## 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 of this document<sup>1)</sup>. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 1206, *Specification for fireclay sinks: dimensions and workmanship*

BS 1212-2, *Float operated valves — Part 2: Specification for diaphragm type float operated valves (copper alloy body) (excluding floats)*

BS 1212-3, *Float operated valves — Part 3: Specification for diaphragm type float operated valves (plastics bodied) for cold water services only (excluding floats)*

BS 1212-4, *Float operated valves — Part 4: Specification for compact type float operated valves for WC flushing cisterns (including floats)*

BS 1254, *Specification for WC seats (plastics)*<sup>2)</sup>

BS 2081-1, *Closets for use with chemicals — Part 1: Specification for portable closets*

BS 2081-2, *Closets for use with chemicals — Part 2: Specification for permanently installed closets*

BS 1880-1, *Specification for urinals — Part 1: Stainless steel slab urinals*

BS 5788, *Specification for spray taps*

BS 5779, *Specification for spray mixing taps*

BS 5906, *Waste management in buildings — Code of practice*

BS 6100-7, *Building and civil engineering — Vocabulary — Part 7: Services*

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

<sup>2)</sup> This standard also gives an informative reference to BS 1254:1981.