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Specification for

Ceramic wash basins and pedestals

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Co-operating organizations

The Sanitary Appliances Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Association of Public Health Inspectors*	Institution of Municipal Engineers*
British Bath Manufacturers' Association*	Institution of Public Health Engineers*
British Plastics Federation*	Metal Sink Manufacturers' Association*
British Waterworks Association	Ministry of Defence, Air Force Department
Council of British Ceramic Sanitaryware Manufacturers*	National Brassfoundry Association*
Department of the Environment*	National Federation of Builders' and Plumbers' Merchants*
Department of the Environment—Building Research Establishment*	Royal Institute of British Architects*
Greater London Council*	Royal Institute of Public Health and Hygiene
Institute of Plumbing*	Royal Society of Health
Institution of Heating and Ventilating Engineers	Water Companies Association

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

British Ceramic Research Association	Good Housekeeping Institute
British Ironfounders' Association	Institution of Water Engineers
British Steel Industry	Modular Society
British Woodwork Manufacturers' Association	National Federation of Plumbers and Domestic Heating Engineers
Consumer Standards Advisory Committee of BSI	South London Consortium
Department of Health and Social Security	Individual manufacturers

This British Standard, having been approved by the Sanitary Appliances Industry Standards Committee, was published under the authority of the Executive Board on 13 May, 1974

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Foreword

This British Standard, prepared under the authority of the Sanitary Appliances Industry Standards Committee, has been metricated in accordance with the metrication programme of the British Standards Institution. The recommendations for the co-ordination of dimensions in building as laid down in BS 2900 “*Recommendations for the co-ordination of dimensions in building. Glossary of terms*”, and BS 4011 “*Recommendations for the co-ordination of dimensions in building. Basic sizes for building components and assemblies*” are embodied where appropriate in this standard.

The metric values are given in SI units; for further information reference should be made to BS 3763 “*The International System of units (SI)*” and PD 5686, “*The use of SI units*”.

The revision of this British Standard has been aimed at retaining the main dimensions of the previous issue, but allowing manufacturers freedom of design within these requirements. To this end the dimensions have been listed in tabular form and any illustrations likely to be misconstrued as indicating design have been eliminated.

The materials known as stoneware and earthenware have been omitted as they are no longer used in an appreciable quantity.

The British Standards dealing with the quality of material, and finish, of vitreous china, taps and wastes suitable for these wash basins are as follows:

BS 504, *Drawn lead traps*.

BS 1010, *Draw-off taps and stopvalves for water services (screwdown pattern)*.

BS 1184, *Copper and copper alloy traps*.

BS 3380, *Wastes for sanitary appliances and overflows for baths — Part 1. Wastes (excluding skeleton sink wastes) and bath overflows*.

BS 3402, *Quality of vitreous china sanitary appliances*.

BS 3943, *Plastics waste traps*.

Certification. Attention is drawn to the certification facilities described on the inside back cover of this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 4, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 General

1.1 Scope

This British Standard specifies requirements for dimensions and quality for two sizes of ceramic wash basins with or without an overflow and/or a chain stay hole and for ceramic pedestals.

NOTE The title of the British Standard referred to in this standard is given on the inside back cover.

1.2 Inspection

The purchaser or his representative shall, if required, be granted facilities for the purpose of carrying out inspection prior to delivery.

1.3 Rejection

The purchaser shall have the option of rejecting any wash basin purporting to meet the requirements of this British Standard if it fails to meet any of the requirements laid down herein.

Minor imperfections which do not affect the appearance or the efficiency of the articles shall not constitute valid reasons for rejection.

1.4 Manufacturer's certificate

The purchaser shall be entitled, on request, to a certificate testifying that the appliances comply with the provisions of this British Standard.

1.5 Marking

Each article manufactured in accordance with this standard shall be clearly and indelibly marked so that it can be seen without dismantling the appliance with:

- 1) the manufacturer's name or identification mark,
- 2) the number of this British Standard, i.e. BS 1188.

NOTE The mark BS 1188 on or in relation to the product is a claim by the manufacturer that it complies with the requirements of this standard.

1.6 Options

The purchaser shall specify the following options:

- 1) material (see 2.1);
- 2) colour (see 3.6);
- 3) overflow (see 3.7);
- 4) chain stay hole (see 3.9);
- 5) type and size (see 4.1 and Table 1).

2 Materials

2.1 General

The wash basins and pedestals shall be made from either fireclay or vitreous china and the purchaser shall specify which material is required when ordering (see 1.6).

2.2 Quality

Each wash basin and pedestal shall be fired at such a temperature as to produce a satisfactorily fused ceramic glaze and as an article it shall be sound, of good workmanship and without manufacturing faults affecting utility. The glaze shall be uniform, non-crazing, free from discoloration and shall possess an impervious surface. Preferably it shall be leadless but shall not, in any event, yield more than 5 % of soluble lead.

Vitreous china wash basins and pedestals shall comply with the requirements of BS 3402.

3 Design and construction

3.1 General

The wash basins shall be of one piece construction. Any internal angles shall be designed to facilitate cleaning.

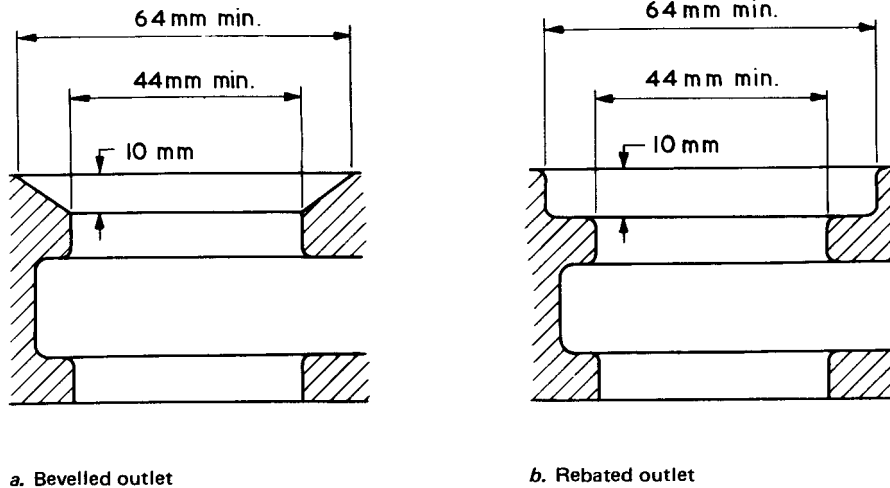
3.2 Tap holes

There shall be two tap holes to each wash basin, round in shape and symmetrical about the centre line of the basin. The level of the top of the platform which accommodates the taps shall not be below the spillover level of the basin irrespective of the overflow slot.

3.3 Pedestals

Ceramic pedestals for wash basins shall comply with the following requirements:

- 1) they shall be recessed at the back to take supply and waste pipes and fittings;
- 2) they shall rigidly and adequately support the wash basin;
- 3) the combined height of wash basin and pedestal shall be measured from top of rim at front of basin to the floor level.



NOTE Drawings are diagrammatic only.

Figure 1 — Details of outlets

3.4 Waste holes

The recess of the outlet for the waste flange shall have a diameter of not less than 64 mm as shown in Figure 1 so that it is suitable for a waste fitting having a flange of 62 mm diameter, and the hole through the ware shall have a minimum diameter of 44 mm.

For vitreous china wash basins, the outlets shall be bevelled.

For fireclay wash basins, the outlets shall be either bevelled or rebated.

3.5 Bracket studs

Any provision to receive the brackets on the underside of the wash basin shall be capable of receiving a bracket stud not exceeding 13 mm diameter, 8 mm high and 305 mm from the back of the basin to the centre of the stud.

3.6 Colour

Wash basins and pedestals shall be supplied in either white or any colour specified by the purchaser.

NOTE Unless otherwise specified by the purchaser at the time of enquiry or order (see 1.6) the basin and pedestal will be supplied in white.

3.7 Overflow

Wash basins shall be supplied in either of the following conditions:

- a) the basin shall not have an overflow hole; or

- b) the basin shall have an overflow with a horizontal dimension not longer than 64 mm and an area of not less than 800 mm², located completely below the spillover level of the basin.

NOTE Unless otherwise specified by the purchaser at the time of enquiry or order (see 1.6) the basin will be supplied with an overflow hole.

3.8 Soap sinkings

The soap sinking(s) shall be adequately drained into the bowl. The sinking(s) shall not be so placed as to drain across the width of the overflow slot.

3.9 Chain stay hole

Wash basins shall be supplied in either of the following conditions:

- a) the basin shall not have a chain stay hole; or
- b) the basin shall have a chain stay hole of 8 ± 1 mm in diameter located as high as is practicable within the bowl. If an overflow is provided, the chain stay hole shall be located above the level of the top of the overflow.

NOTE Unless otherwise specified by the purchaser at the time of enquiry or order (see 1.6) the basin will be supplied with a chain stay hole.

4 Types, dimensions, masses and permissible deviations

Type B Wash basins without back skirting.
The purchaser shall specify the type and co-ordinating size required (see 1.6).

4.1 Types

The British Standard range shall include the following types and shall comply with the dimensions specified in Table 1 and Table 2 subject to the permissible deviations from the work size specified.

Type A Wash basins with back skirting up to 76 mm high.

Table 1 — Dimensions and masses

Type	Dimension	Standard basic space (co-ordinating size)	Max. limit of manufacturing size	Work size (nominal size)	Min. limit of manufacturing size	Min. mass	
		mm	mm	mm	mm	kg	
A(1)	Length	700	650	635	620	18	Fireclay
	Width	500	465	455	445	15	Vitreous china
A(2)	Length	600	572	560	548	15	Fireclay
	Width	500	414	405	396	11.5	Vitreous china
B(1)	Length	700	650	635	620	17	Fireclay
	Width	500	465	455	445	13.5	Vitreous china
B(2)	Length	600	572	560	548	13	Fireclay
	Width	500	414	405	396	10	Vitreous china

Table 2 — Ancillary dimensions^a

Description		Dimensions
Type A(1) } Type B(1) }	Wash basins	mm
	Tap centres: distance apart	485
	distance from back of basin	140
	Bracket centres	585
Type A(2) } Type B(2) }	Wash basins	mm
	Tap centres: distance apart	405
	distance from back of basin	140
	Bracket centres	510
Dimensions applicable to both types and sizes		mm
Combined height of wash basin and pedestal		800
Depth from top edge of rim to inside base of bowl at centre of outlet		165
Distance of centre of outlet from extreme back (for details of outlets, see Figure 1)		180
Maximum height of back skirting, if any, above top rim of basin		76
Diameter of tap holes (not subject to the deviations permitted by the footnote to this table)		30^{+2}_{-0}
NOTE For level of tap platform, see 3.2.		
Diameter of hole for chain stay		8 ± 1

^a Permissible deviations: for dimensions of 76 mm and over, $\pm 2\%$; for dimensions of less than 76 mm, $\pm 5\%$.

Publication referred to

This standard makes reference to the following British Standard:
BS 3402, *Quality of vitreous china sanitary appliances*.

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