

Specification for

Quality of vitreous china sanitary appliances

Confirmed
February 2010

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*	Ministry of Public Building and Works*
British Bath Manufacturers Association	Ministry of Public Building and
British Ironfounders' Association*	Works — Building Research Station*
British Plastics Federation*	National Brassfoundry Association*
British Waterworks Association*	National Federation of Building Trades
Council of British Ceramic Sanitaryware	Employers
Manufacturers*	Royal Institute of British Architects*
Flushing Cistern Makers' Association*	Royal institute of Public Health and Hygiene
Greater London Council*	The Royal Institution of Chartered Surveyors
Institute of Plumbing*	Royal Society for the Promotion of Health*
Institution of Municipal Engineers*	Scottish Federation of Plumbers' and
Institution of Public Health Engineers*	Domestic Engineers' (Employers')
Metal Sink Manufacturers' Association*	Associations
Ministry of Housing and Local Government	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	National Federation of Builders' and
British Steel Industry	Plumbers' Merchants
Department of Health and Social Security	National Federation of Plumbers and
Good Housekeeping Institute	Domestic Heating Engineers
Institute of Housing Managers	Stainless Steel Development Association
Institute of Vitreous Enamellers	Women's Advisory Committee of BSI
Institution of Water Engineers	Individual manufactures
Modular Society	

This British Standard, having been approved by the Sanitary Appliances Industry Standards Committee was published under the authority of the Executive Board on 13th January, 1969

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Amendments issued since publication

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Foreword

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 6 000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, which may be purchased from BSI Sales Department. It may also be consulted in many public libraries and similar institutions.

This British Standard was first published in 1961 to specify the permissible limits of water absorption and of resistance to crazing for vitreous china, and to establish test methods for assessing these properties. At the request of the sanitary pottery industry, it was revised in 1964, and enlarged to include additional requirements and test methods. The present revision is for the purpose of implementing the change to the metric system of measures.

It is still not possible to include tests for impact strength and abrasion resistance. This is because satisfactory tests, giving reproducible results, have not yet been devised; as soon as such tests are available, they will be included in the standard. Requirements to ensure adequate thicknesses of sanitary ware are given on the British Standard for individual appliances.

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 8 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 Scope

This British Standard specifies certain requirements concerning the quality and dimensional tolerances for vitreous china sanitary appliances and details the methods of test by which their properties may be assessed.

2 Definitions

For the purposes of this British Standard the following definitions apply:

2.1

bubble

a raised portion of the surface less than 1 mm maximum diameter

2.2

craze

fine cracks in the glaze

2.3

discoloration

a coloured spot greater than 6 mm maximum dimension or a concentrated number of specks or spots to give the effect of a change in colour

2.4

dull finish

undeveloped glaze, slightly matt in appearance or a non-glossy finish on a visible surface

2.5

dunt

a hair-line fracture extending through the body

2.6

exposed body

an unglazed portion not less than 2 mm maximum dimension

2.7

finish

the texture and condition of a surface other than its colour

2.8

fire crack

a fine shallow crack in the body not covered with glaze. (Fire cracks, where not on a visible surface, may not necessarily be detrimental)

2.9

flushing surface

the surface visible after installation and which becomes wet during the operation of the appliance

2.10

grouping

a number of spots, blisters, pinholes or specks within any pottery square

2.11

integral

a part cast integrally with the appliance

2.12

large blister

a raised portion of the surface not less than 3 mm and less than 6 mm maximum dimension

2.13

large spot

an area of contrasting colour not less than 3 mm and less than 6 mm maximum dimension

2.14

medium blister

a raised portion of the surface not less than 1 mm and less than 3 mm maximum dimension

2.15

pinhole

a small hole in the glazed surface less than 2 mm maximum dimension

2.16

polishing mark

a spot not more than 10 mm maximum dimension where a minor blemish has been ground off and the surface polished

2.17

pottery square

a square of side 50 mm, i.e. with an area of 2 500 mm².

2.18

projection

a raised portion of not less than 6 mm maximum dimension on a visible surface

2.19

roughing-in measurements

dimensions from the finished wall or floor to the centre of the waste or supply opening

2.20

speck

an area of contrasting colour less than 1 mm maximum dimension. (Specks less than 0.25 mm maximum dimension do not constitute a defect unless sufficient in number to form a discoloration)

2.21

spot

an area of contrasting colour not less than 1 mm and less than 3 mm maximum dimension