

Shower units —

Part 5: Specification for prefabricated shower trays made from acrylic material

UDC 696.144.2

Cooperating organizations

The Building Services Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

Association of District Councils	Greater London Council*
Bath Manufacturers Co-ordinating Committee	Heating and Ventilating Contractors' Association
British Gas Corporation	Incorporated Association of Architects and Surveyors
British Ironfounders Association	Institute of Plumbing*
British Plastics Federation*	Institution of Environmental Health Officers*
British Plumbing Employers Council	Institution of Gas Engineers
British Precast Concrete Federation Ltd.	Institution of Municipal Engineers
Builders Merchants Federation	Institution of Public Health Engineers*
Building Services Research and Information Association	Institution of Water Engineers and Scientists
Chartered Institution of Building Services	Local Authorities Organization
Clay Pipe Development Association Limited	Metal Sink Manufacturers' Association*
Consumer Standards Advisory Committee of BSI*	National Brassfoundry Association*
Convention of Scottish Local Authorities	National Coal Board
Council of British Ceramic Sanitaryware Manufacturers*	National Federation of Building Trades Employers
Department of Health and Social Security	National Water Council*
Department of the Environment (Building Research Establishment)	Royal Institute of British Architects*
Department of the Environment (Housing and Construction)	Royal Institution of Chartered Surveyors
Department of the Environment (PSA)*	Royal Society of Health
Department of the Environment (Water Directorate)	Scottish Development Department
Domestic Solid Fuel Appliances Approval Scheme	Trades Union Congress
	Water Companies Association*

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

British Bath Manufacturers' Association	Vitreous Enamel Development Council
Plastic Bath Manufacturers' Association	

This British Standard, having been prepared under the direction of the Building Services Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1983

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The following BSI references relate to the work on this standard:
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Foreword

This Part of BS 6340 has been prepared under the direction of the Building Services Standards Committee and was initiated by the Consumer Standards Advisory Committee of BSI, a need for such a standard having been indicated by various interested organizations.

The standard is being published in the following Parts:

- *Part 1: Guide on choice of shower units and their components for use in private dwellings;*
- *Part 2: Specification for the installation of shower units;*
- *Part 3: Specification for prefabricated shower enclosures;*
- *Part 4: Specification for shower heads and related equipment;*
- *Part 5: Specification for prefabricated shower trays made from acrylic material;*
- *Part 6: Specification for prefabricated shower trays made from porcelain enamelled cast iron;*
- *Part 7: Specification for prefabricated shower trays made from vitreous enamelled sheet steel;*
- *Part 8: Specification for prefabricated shower trays made from glazed ceramic.*

The specifications for shower trays made of different materials are in separate Parts (5 to 8) so that if the proposed CEN work on shower trays is proceeded with and the final documents are acceptable to the UK, they can supersede the relevant Parts of this standard.

Similarly, the waste outlet hole dimensions are specified in line with current UK practice but are given in Appendix A so that, if the final documents on waste hole dimensions being produced in CEN are acceptable to the UK, that appendix can be superseded by the latter documents.

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 10, 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 Scope

This Part of BS 6340 specifies requirements for prefabricated shower trays made from acrylic materials.

This standard is applicable to all sizes and shapes of shower trays. No requirements are given for nominal shower tray sizes or dimensional coordination.

NOTE 1 The latter aspect may be covered by future standards. No requirements are given for the method of supporting shower trays as methods vary, but the rigidity is ensured by the installation meeting the general performance requirements specified in this Part of BS 6340.

NOTE 2 The titles of the publications referred to in this Part of BS 6340 are listed on the inside back cover.

2 Definitions

For the purposes of this Part of BS 6340 the following definition together with the definitions in BS 4118 apply.

work size¹⁾

target size of shower tray specified for its manufacture

3 General

3.1 Edges. The shower tray shall be free from sharp edges that would be exposed after installation of the shower tray in accordance with the manufacturer's instructions.

3.2 Appearance. When the shower tray is visually inspected in daylight from a height of 1.5 m from the surface to be examined there shall be no evidence of cracking, crazing, chipping, blistering, or other defects that will impair the appearance of the shower tray.

3.3 Waste outlet hole. The shower tray shall have a waste outlet hole of dimensions and outline in accordance with Appendix A.

3.4 Hole edges. The edges of any holes in the shower tray shall not show evidence of chips, cracks, or any other defects that will impair its appearance or performance.

3.5 Dimensions. The distance between the bottom of the waste outlet and the floor shall be either 150 mm minimum or adjustable to 150 mm.

3.6 Materials. The acrylic sheet used in the manufacture of the shower tray shall comply with BS 7015.

4 Tolerances

The shower tray shall not deviate from the sizes quoted by the manufacturer by more than ± 5 mm.

The size quoted by the manufacturer shall be the work size. When the shower tray has tapered sides the dimensions shall be checked at the base of the sides.

5 Functional characteristics of the shower tray

The shower tray rims shall enable water to return to the inside of the tray.

When the shower tray is set so that the level at any point along the top surface of the rim does not deviate by more than 5 mm from a fixed datum level, and when the waste outlet hole is open, all water shall empty from the shower tray unless prevented by surface tension. Any provision of a slip resistance surface shall not impair the draining efficiency.

6 Dimensional deviations

6.1 General. Straight sides or edges of the shower tray that might abut independent surroundings or supporting structures shall comply with 6.2 to 6.5.

NOTE These requirements are not applicable to sides or edges that are purposely designed as curves.

6.2 Squaring. The deviations from the square when measured as described in B.2.2 shall not exceed 5 mm at any point. When the shower tray has tapered sides the dimensions shall be checked at the base of the sides.

6.3 Straightness of the sides. The deviations from straightness of the sides of the shower tray when measured as described in B.2.3 shall not exceed 5 mm in the concave or convex direction at any point. When the shower tray has tapered sides the dimensions shall be checked at the base of the sides.

6.4 Straightness of the rim edge. The deviation from straightness of the rim edge when measured as described in B.2.4 shall not exceed 5 mm in the concave or convex direction at any point.

6.5 Flatness of the top surface of rim. The deviation from the flat plane when measured as described in B.2.5 shall not exceed 5 mm at any point.

¹⁾ Repeated from BS 6100-1.5.1.