

Specification for

Refuse chutes and hoppers

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

- Bath Manufacturers' Co-ordinating Committee
- Chartered Institution of Building Services
- Council of British Ceramic Sanitaryware Manufacturers
- Department of the Environment
- Department of the Environment — Building Research Establishment*
- Department of the Environment — Housing and Construction
- Department of the Environment — Property Services Agency
- Environmental Health Officers' Association*
- Greater London Council
- Institute of Plumbing
- Institution of Municipal Engineers
- Institution of Public Health Engineers*
- Metal Sink Manufacturers' Association
- Ministry of Defence
- National Brassfoundry Association
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- National Water Council
- Royal Institute of British Architects*
- Royal Institute of Public Health and Hygiene
- Royal Society of Health*
- Water Companies' Association

The 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:

- Aluminium Federation
- Asbestos Cement Manufacturers' Association
- Association of London Borough Engineers and Surveyors
- Association of Metropolitan Authorities
- Clay Pipe Development Association Ltd.
- Department of the Environment — Water Engineering Division including Water Data Unit
- Institute of Solid Wastes Management
- Individual experts

This British Standard, having been prepared under the direction of the Sanitary Appliances Standards Committee, was published under the authority of the Executive Board on 30 September 1977

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Foreword

This British Standard was first prepared at the request of the Building Divisional Council in order to indicate a general design and suitable materials for refuse chutes for multi-storey buildings. Publication of British Standard code of practice CP 306, *“The storage and on-site treatment of refuse from buildings”*, Part 1 *“Residential buildings”*, necessitated the revision of BS 1703 to include only the components used in the construction of refuse chutes. Reference to CP 306 is advised for recommendations on the use and installation of refuse chutes. The first revised version of BS 1703 was published in two Parts, Part 1 *“Hoppers”*, and Part 2 *“Chutes”* but this current revision has been produced as one comprehensive standard as it is felt that this will be more convenient.

Recommendations regarding chute diameter have received most careful consideration. CP 306 recommends that circular chutes should be used, preferably not less than 450 mm diameter, but it has been considered desirable for this standard to continue to encompass circular chutes of 375 mm diameter in view of the appreciable number of installations of this size still being specified; there is also a body of opinion in favour of a 600 mm diameter chute.

Consequently, specifications have been included which can cover all three sizes. Provision has also been made to include metals in the range of materials for constructing chutes as these are felt to give an adequate performance provided that such chutes are insulated to reduce noise propagation.

In view of the need to maintain effective ventilation of chute systems this edition of this standard specifies the use of a larger cross section ventilating flue than in the last version.

The requirements for hoppers are onerous. The hopper acts as a gauge to prevent objects which might cause blockages from entering the chute; it must resist extremely hard wear, abuse and vandalism; it must act as a seal between residential and refuse storage areas and, desirably, should remain in a clean and hygienic condition with a minimum of attention. The specification sets out basic design features which are considered essential for satisfactory operation but aims specifically not to restrict freedom of design.

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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, 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.