

Refuse chutes and hoppers — Specification

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Subcommittee B/508/1, Waste containers and associated lifting devices on refuse collection vehicles, upon which the following bodies were represented:

- Association of Refuse Vehicles Manufacturers
- BRE — Building Research Establishment
- British Plastics Federation
- CIWM — Chartered Institution of Wastes Management
- Container Handling Equipment Manufacturers
- Environmental Services Association
- Galvanizers Association
- ODPM — Represented by WRc
- Public Authority Transport Network
- Freight Transport Association
- Society of Motor Manufacturers and Traders Limited

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Foreword

This British Standard has been prepared under the direction of Technical Committee B/508. It supersedes BS 1703:1997, which is withdrawn.

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. Attention is drawn to British Standard BS 5906.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its 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 11 and a back cover.

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1 Scope

This British Standard specifies requirements for gravity transport systems for refuse in multi-storey buildings, consisting of refuse chutes in the form of one or more vertical pipes, complete with hoppers, receiving refuse from successive floors in a building and discharging it into a refuse storage system.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 65, *Specification for vitrified clay pipes, fittings and ducts, also flexible mechanical joints for use solely with surface water pipes and fittings.*

BS 476-4, *Fire tests on building materials and structures — Part 4: Non-combustibility test for materials.*

BS 476-22, *Fire tests on building materials and structures — Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction.*

BS 915-2, *High alumina cement — Part 2: Metric units.*

BS 1449-1, *Steel plate, sheet and strip — Part 1: Carbon and carbon manganese plate, sheet and strip.*

BS 2523, *Specification for lead-based priming paints.*

BS 5906, *Code of practice for storage and on-site treatment of solid waste from buildings.*

BS 5911-3, *Concrete pipes and ancillary concrete products — Part 3: Specification for unreinforced and reinforced concrete manholes and soakaways (complementary to BS EN 1917:2002).*

BS EN 573-3:1994, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition.*

BS EN 771-4, *Specification for masonry units — Part 4: Autoclaved aerated concrete masonry units.*

BS EN 840-1, *Mobile waste containers — Part 1: Containers with two wheels with a capacity from 80 l to 390 l for comb lifting devices — Dimensions and design.*

BS EN 840-2, *Mobile waste containers — Part 2: Containers with four wheels with a capacity from 500 l to 1200 l with flat lid(s), for trunnion and/or comb lifting devices — Dimensions and design.*

BS EN 840-3, *Mobile waste containers — Part 3: Containers with four wheels with a capacity from 770 l to 1300 l with dome lid(s), for trunnion and/or comb lifting devices — Dimensions and design.*

BS EN 840-4, *Mobile waste containers — Part 4: Containers with four wheels with a capacity from 750 l to 1700 l with flat lid(s), for wide trunnion or BG-and/or wide comb lifting devices — Dimensions and design.*

BS EN 840-5, *Mobile waste containers — Part 5: Performance requirements and test methods.*

BS EN 840-6, *Mobile waste containers — Part 6: Safety and health requirements.*

BS EN 1011-2, *Welding — Recommendations for welding of metallic materials — Part 2: Arc welding of ferritic steels.*

BS EN 1011-4, *Welding — Recommendations for welding of metallic materials — Part 4: Arc welding of aluminium and aluminium alloys.*

BS EN 1706:1998, *Aluminium and aluminium alloys — Castings — Chemical composition and mechanical properties.*

BS EN 10029, *Specifications for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above.*

BS EN 22063, *Metallic and other inorganic coatings — Thermal spraying — Zinc, aluminium and their alloys.*

BS EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods.*