

Installation of factory-made chimneys to BS 4543 for domestic appliances —

Part 2: Specification for installation design

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee B/506, Chimneys, to Subcommittee B/506/5, Chimneys and their components having inner linings of metal, upon which the following bodies were represented:

- Association of British Solid Fuel Appliances Manufacturers
- British Coal Corporation
- British Combustion Equipment Manufacturers' Association
- British Flue and Chimney Manufacturers' Association
- British Gas plc
- British Precast Concrete Federation Ltd.
- British Steel Industry
- Building Services Research and Information Association
- Clay Pipe Development Association Limited
- Department of the Environment
- Department of the Environment (Construction Directorate)
- Health and Safety Executive
- Institute of Domestic Heating and Environmental Engineers
- National Association of Plumbing, Heating and Mechanical Services Contractors
- National Federation of Master Steeplejacks and Lightning Conductor Engineers
- National House-building Council

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Department of the Environment (Building Research Establishment)
- Institute of Vitreous Enamellers
- Real Fire Association
- Society of British Gas Industries
- Vitreous Enamel Development Council

This British Standard, having been prepared under the direction of Technical Committee B 506, was published under the authority of the Standards Board and comes into effect on 15 July 1992

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Exchange of information and structural check	1
4 Openings into chimney flue	1
5 Chimney flues	1
6 Enclosure	1
7 Chimney route	2
Appendix A Materials of flue pipes	8
Figure 1 — Example of cleaning access/debris trap	1
Figure 2 — Outlets from flues	2
Figure 3 — Typical straight chimney installation	4
Figure 4 — Typical chimney installation incorporating bends	5
Figure 5 — Typical fire-stops and spacers	6
Figure 6 — Separating flue-pipe from surface of adjacent combustibile materials	7
Table 1 — Size of flue	2
Publication(s) referred to	Inside back cover

Foreword

This British Standard has been prepared under the direction of the Technical Committee B/506, Chimneys, and together with Parts 1, 3 and 4 of BS 7566 supersede BS 6461-2:1984, which is withdrawn.

This standard covers the installation of factory-made chimneys complying with the requirements of BS 4543. Masonry chimneys are covered by BS 6461-1:1984. BS 7566 is published in separate Parts in an attempt to highlight the interfaces involved in the successful specification, design and installation of factory-made chimneys.

Part 1 of BS 7566 gives a method of specifying the information which should be supplied by the purchaser to the installation designer.

This Part of BS 7566 specifies design instructions to be followed by the installation designer to take account of the purchaser's requirements and relevant standards, when developing a chimney design for the particular application.

Part 3 of BS 7566 specifies installation practices which are to be followed in order to ensure that the designers intentions are satisfactorily realized and which reflect good site supervision and working practices.

Part 4 of BS 7566 gives guidance to the purchaser, designer and installer on the options which have to be identified and the methods of achieving specified requirements in a manner that will ensure a safe and satisfactory installation. It also gives important guidance on matters such as maintenance and cleaning.

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, 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 7566 gives the design criteria and practice to be followed by the installation designer when designing an installation for a factory-made chimney complying with BS 4543 which, when installed in accordance with BS 7566-3, will successfully convey products of combustion to the outside atmosphere.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this Part of BS 7566 the definitions in BS 4543-1 apply.

3 Exchange of information and structural check

The installation designer shall be in possession of and thoroughly conversant with the information given by the purchaser in accordance with BS 7566-1.

The installation designer shall check that the building structure is capable of supporting the chimney.

NOTE Attention is drawn to the need to comply with all local and general regulations, planning permission, clean air act, fire regulations, etc.

4 Openings into chimney flue

Openings in factory-made chimneys for the purpose of inspection or cleaning (see Figure 1) or for fitting a flue draught stabilizer shall be formed by the use of standard sections from the chimney manufacturers' standard range and shall be accessible after installation (see BS 7566-4).

Any opening other than a flue draught stabilizer, shall be fitted with a close fitting, durable, non-combustible cover as supplied by the chimney manufacturer.

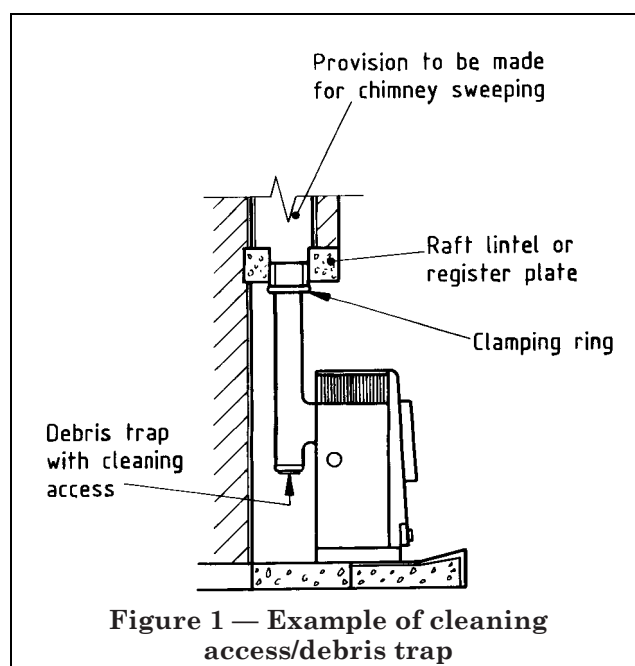


Figure 1 — Example of cleaning access/debris trap

5 Chimney flues

5.1 Number of appliances

A chimney flue shall serve only one appliance.

5.2 Chimney flue size

5.2.1 The chimney flue shall be sized in accordance with Table 1 and 5.2.2.

5.2.2 In the case of room heaters, cookers and independent boilers the flue size shall be not less than the cross-sectional area of the flue outlet from the appliance. In the case of multi-fuelled appliances the appliance manufacturer's recommendations on flue sizes shall be followed.

6 Enclosure

Throughout its length, including passage through a cupboard or other storage space or through a roof space, the chimney shall be enclosed by a rigid, non-combustible barrier. This shall be separate from the outside of the chimney by at least the distance recommended in the manufacturer's instructions, commonly referred to as the manufacturer's specified distance X mm.