

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

**Part 1: Method of specifying installation
design information**

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:
 Committee reference B/506/5
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Amendments issued since publication

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Foreword

This British Standard has been prepared under the direction of Technical Committee B/506, Chimneys, and together with Parts 2 to 4 of BS 7566 supersede BS 6461-2:1984 which is withdrawn.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 to highlight the interfaces involved in the successful specification, design and installation of factory-made chimneys.

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

Part 2 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 designer's 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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 and 2, 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 a method of specifying the purchaser's requirements in the form of information to be exchanged between the purchaser and installation designer, relating to the installation of a factory-made chimney complying with BS 4543.

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 given in BS 4543-1 apply.

3 Siting

The exact siting of the appliance shall be identified and documented (see Figure 1).

4 Appliance details

Information on the intended fuel burning appliance and dimensional details of any existing fire place recess shall be supplied (see Figure 1).

5 Building structure

Details of the building structure (materials of floor construction, roof construction, etc.) shall be supplied (see Figure 1).

6 Local conditions

Information on environmental and topographical particulars of the site shall be supplied.

The desirability of lightning protection for chimney earthing and rating shall be assessed and specified, where appropriate. (See BS 7566-4 for further information on lightning protection.)

NOTE Such assessment should be made in consultation with the designer.

7 Ventilation

The positioning of any air-inlets shall be identified and documented.

8 Product specification

It shall be specified that the chimney supplied for installation is to comply with BS 4543.

9 Installation

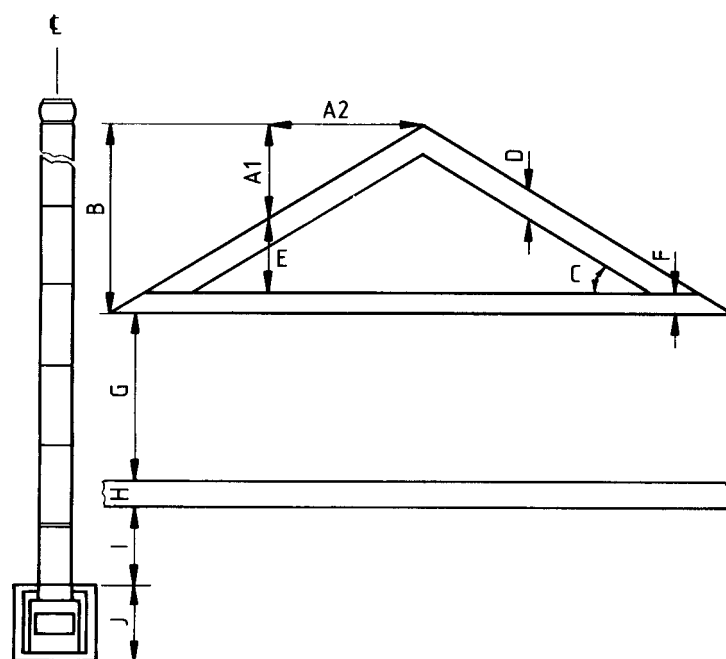
It shall be specified that the design installation and installation of the chimney is to be in accordance with BS 7566-2 and BS 7566-3.

10 Site commissioning

It shall be specified that site checks and procedures in accordance with BS 7566-3 are to be carried out on the installed chimney.

11 Cleaning and maintenance

It shall be specified that any cleaning and maintenance instructions/recommendations provided by the chimney manufacturer are to be noted and actioned (see BS 7566-4).

**Key**

- A Position of centre line of chimney on diagram (A1) and distance from ridge (A2)
- B Height of ridge
- C Pitch of roof
- D Depth and thickness of roof timbers and distance between centres
- E Measurement through loft
- F Depth and thickness of joist timbers and distance between centres
- G Height from intermediary floor to ceiling (structural or finished)
- H Depth and thickness of joist timbers and distance between centres
- I Height from lintel top to underside of ceiling where supported on a lintel
- J Overall height where appliance is standing on a concrete plinth
- K Details of appliance, i.e. name and model, fuel, output in kW type, height and diameter of outlet

Figure 1 — Example of typical building structure designed to assist exchange of information

Publication(s) referred to

BS 4543, *Factory-made chimneys.*

BS 4543-1, *Methods of test.*

BS 4543-2, *Specification for chimneys with stainless steel flue linings for use with solid fuel fired appliances.*

BS 4543-3, *Specification for chimneys with stainless steel flue lining for use with oil fired appliances.*

BS 6461, *Installation of chimneys and flues for domestic appliances burning solid fuel (including wood and peat).*

BS 6461-1, *Code of practice for masonry chimneys and flue pipes.*

BS 7566, *Installation of factory-made chimneys to BS 4543 for domestic appliances.*

BS 7566-2, *Specification for installation design.*

BS 7566-3, *Specification for site installation.*

BS 7566-4, *Recommendations on installation design and installation.*

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