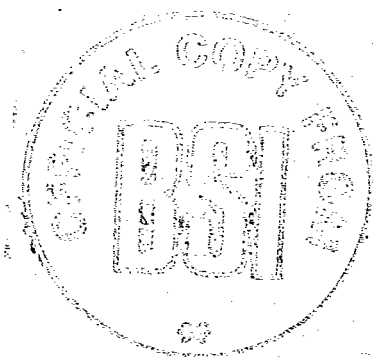


SPECIFICATION FOR KITCHEN FITMENTS AND EQUIPMENT

Part 2. Metric units

BS 1195 : Part 2 : 1972



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BS 1195 : Part 2 : 1972

THIS BRITISH STANDARD, having been approved by the Building Divisional Council, was published under the authority of the Executive Board on 22 May, 1972.

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First published, December, 1944.

First revision, September, 1948.

Second revision, May, 1972.

SBN: 580 07052 2

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, which may be purchased from BSI Sales Department. It may also be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standards:

BS 729. Zinc coatings on iron and steel articles.

BS 952. Classification of glass for glazing and terminology for work on glass.

BS 1142. Fibre building boards.

BS 1186. Quality of timber and workmanship in joinery.

Part 1. Quality of timber.

BS 1204. Synthetic resin adhesives (phenolic and aminoplastic) for wood.

Part 1. Gap-filling adhesives.

Part 2. Close-contact adhesives.

BS 1344. Methods of testing vitreous enamel finishes.

Part 1. Resistance to thermal shock.

Part 2. Resistance to culinary acids.

Part 5. Resistance to detergents.

BS 6222. Domestic kitchen equipment.

Part 1. Specification for co-ordinating dimensions



Documents

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- BS 1391. Performance tests for protective schemes used in the protection of light-gauge steel and wrought iron against corrosion.
- BS 1444. Cold-setting casein adhesive powders for wood.
- BS 1455. Plywood manufactured from tropical hardwoods.
- BS 1449. Steel plate, sheet and strip.
- BS 1470-1477. Wrought aluminium and aluminium alloys.
- BS 1615. Anodic oxidation coatings on aluminium.
- BS 1706. Electroplated coatings of cadmium and zinc on iron and steel.
- BS 1913. Soft soap.
- BS 2604. Resin-bonded wood chipboard.
- BS 2900. Recommendations for the co-ordination of dimensions in building. Glossary of terms.
- BS 2989. Hot-dip galvanized plain steel sheet and coil.
- BS 3189. Phosphate treatment of iron and steel for protection against corrosion.
- BS 3444. Blockboard and laminboard.
- BS 3591. Industrial methylated spirits.
- BS 3705. Recommendations for provision of space for domestic kitchen equipment.
- BS 3763. The International System of units (SI).
- BS 3794. Decorative laminated plastics sheet.
- BS 3831. Vitreous enamel finishes for domestic and catering appliances.
- BS 3900. Methods of test for paints.
- BS 4011. Recommendations for the co-ordination of dimensions in building. Basic sizes for building components and assemblies.
- BS 4330. Recommendations for the co-ordination of dimensions in building. Controlling dimensions.
- PD 6444. Recommendations for the co-ordination of dimensions in building. Part 2. Co-ordinating sizes for fixtures, furniture and equipment.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI references relate to the work on this standard:
Committee reference B/64

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CO-OPERATING ORGANIZATIONS

The Committee responsible for the preparation of this British Standard includes representatives from the following Government departments and scientific and industrial organizations:

British Furniture Manufacturers' Federated Associations
British Plastics Federation
British Steel Industry
British Woodwork Manufacturers' Association
Cold Rolled Sections Association
Council of Scientific Management in the Home
Department of the Environment (Housing and Construction Wing)
Department of the Environment (Local Government and Development Wing)
Fibre Building Board Development Organization Ltd.
Furniture Industry Research Association
Greater London Council
Institution of Municipal Engineers
Kitchen Furniture Manufacturers Association
Metal Sink Manufacturers' Association
Modular Society
National Federation of Builders' and Plumbers' Merchants
National House Builders' Registration Council
Royal Institute of British Architects
Society of Industrial Artists and Designers Ltd.
Women's Advisory Committee of BSI
Women's Advisory Council on Solid Fuel
Individual manufacturers

BRITISH STANDARD SPECIFICATION FOR KITCHEN FITMENTS AND EQUIPMENT

Part 2. Metric units

FOREWORD

The British Standard for kitchen fitments has been revised and follows the recommendations of BS 3705, 'Recommendations for provision of space for domestic kitchen equipment'. To facilitate the planning of kitchens on a co-ordinated basis with fitments arranged to suit the needs of the individual user, these dimensions should be adopted when kitchen fitments are being designed whether the units comply with the remainder of the specification or are items of equipment which will be used in conjunction with the units. Until sizes of electric and other appliances are standardized in accordance with the recommendations of BS 3705 it is not possible to include, in the standard, units for built-in appliances, apart from those fittings that can be accommodated under a worktop or sinktop.

Performance tests have now been included, to assess the flexibility of the carcass of a fitment and its resistance to repeated stresses and the effectiveness of components of a fitment in relation to their functions. Performance tests for finishes of metal fitments have also been included, but insufficient information is available to permit the inclusion of such tests for wood fitments.

The recommendations for the co-ordination of dimensions in building, as laid down in

BS 2900. Recommendations for the co-ordination of dimensions in building.
Glossary of terms.

BS 4011. Recommendations for the co-ordination of dimensions in building.
Basic sizes for building components and assemblies.

PD 6444. Recommendations for the co-ordination of dimensions in building.
Part 2. Co-ordinating sizes for fixtures, furniture and equipment.
are embodied where appropriate in this standard.

A British Standard range of fitments has been incorporated in this specification but dimensions and types of units other than those shown in the standard range are covered by this specification provided that the length, width and height are in accordance with the dimensional co-ordination requirements of BS 4011 and the performance requirements of this specification.

It is likely that the international requirement for the space allowed for the work top thickness will be 30 mm. It is premature at this stage to alter this standard, but it may become necessary to amend the standard at a later date;

meanwhile attention is drawn to the tolerance recommendations of BS 3705 for the heights of sink and worktop which meet current manufacturing needs.

Tests are to be devised to establish the requirements for the avoidance of accidental complete withdrawal of the drawers in units during normal use (see 3.3.2).

In accordance with BSI's programme of metrication, this standard has been prepared in metric terms.

NOTE. The metric values are given in SI units: for further information reference should be made to BS 3763, 'The International System of units (SI)'.

This standard will be superseded by BS 6222, which is in course of preparation. BS 6222 : Part 1, dealing with co-ordinating dimensions for domestic kitchen equipment, was published in May 1982 and supersedes the relevant clauses of this standard which are deleted by this amendment.

Further Parts of BS 6222 will deal with performance and test methods for built-in kitchen units and for service zones. This standard will be withdrawn on publication of BS 6222 : Part 3.

Certification. Products manufactured in conformity with the requirements of this British Standard are suitable for certification. Manufacturers are urged to consider the advantages of independent approval. Details of the certification facilities offered are given on the back cover of this standard.

SPECIFICATION

1. GENERAL

1.1 SCOPE

This British Standard specifies requirements for kitchen fitments manufactured for use in domestic kitchens. Recommendations regarding protection, storage and installation of kitchen fitments are given in Appendix P.

NOTE. The titles of British Standards referred to in this standard are listed on page 2.

1.2 CLASSIFICATION

Kitchen units shall be grouped in the following classes:

- Base units.** Floor standing or wall mounted units fitted with or able to support a working surface.
- Sink units.** Base units fitted with or able to support standard sink tops or bowls with plumbing connections.
- Wall units.** Shallow depth units for wall mounting.
- Tall units.** Floor standing or wall mounted units normally corresponding in height with top of wall units.

1.3 SPACE REQUIREMENTS

The space requirements for kitchen units and appliances shall be as specified in BS 6222 : Part 1.

1.3.1 Lengths. The lengths along the wall for base and wall units shall be such that when used singly or combined with other units they shall fill a 900 mm space and every 100 mm increment beyond.

1.3.1.1 The British Standard range shall be:

Base units, 400 mm, 500 mm, 600 mm, 800 mm, 1000 mm, 1200 mm.

Sink units, 1200 mm, 1500 mm, 1800 mm.

Wall units, 400 mm, 500 mm, 600 mm, 800 mm, 1000 mm, 1200 mm.

Tall units, 500 mm, 600 mm.

The length dimensions are subject to a tolerance of $\begin{matrix} +0 \\ -3 \end{matrix}$ mm.

NOTE. The larger sizes can be made up of single or combined units.

1.3.2 Height. The heights shall be based on the following heights above the finished floor:

Top of plinth (minimum)	80 mm
Worktop	900 mm*
Under worktop	850 mm
Sinktop	900 mm*
Height to top of upstand where provided	900 mm to 950 mm
Soffit of wall unit over a worktop surface	1350 mm
Highest shelf for general use	1800 mm
Top of highest unit	1950 to 2250 mm

The height dimensions are subject to a tolerance of $\begin{matrix} +0 \\ -3 \end{matrix}$ mm.

Tolerances for surface level of worktop is ± 3 mm for similar thickness of materials and finish.

NOTE. BS 4330 gives a floor-to-ceiling height for housing as follows:

Floor to floor,	2600 mm.
Floor zone,	300 mm, 250 mm, 200 mm.
Minimum floor-to-ceiling height,	2300 mm.

Manufacturers shall, therefore, in designing tall units make sure that the unit can be raised from the horizontal to the vertical position within the room space.

1.3.3 Width. The width back to front shall conform to the second preference dimension of BS 4011, i.e. 100 mm.

* In accordance with the provisions of BS 3705, a difference in level of up to 12 mm is permissible to allow for the different thickness of tops and for jointing between the cooker hob or other built-in equipment and the adjoining worktop.

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1.3.3.1 The British Standard range shall be:

Worktops,	600 mm
Base units and sink units,	600 mm
Base unit dimensions to be less any overhang of worktop at front.	
Tall units,	600 mm
These dimensions to correspond with base units.	
Wall unit,	300 mm
The width dimensions are subject to a tolerance of $\begin{matrix} +0 \\ -3 \end{matrix}$ mm.	

1.4 TOE RECESS

The dimensional requirements for a toe recess shall be as specified in BS 6222 : Part 1.

**1.5 INTERNAL ARRANGEMENTS**

Excluding special fitments designed to accommodate specific items, units shall be provided with the following shelves and/or drawers in addition to the floor of the units:

Base and sink units

Base and sink units shall have one or other of the following arrangements:

- one shelf,
- one shelf and one drawer,
- or more than one drawer, if without shelves.

For the purposes of this clause, fixed or adjustable shelves shall be not less than three-quarters of the inside depth of the unit, but shelf area may be supplied by the use of trays and similar fittings, in whole or in part. Compartments of sink units immediately under the bowl shall be left free for plumbing.

Wall cupboards

Wall cupboards shall have the following:

Up to and including 600 mm high	1 shelf
above 600 mm high	2 shelves.

Tall cupboards

For general storage tall cupboards shall have the following:

Units 1950 mm high	4 shelves
Units above 1950 mm high	5 shelves.

Broom cupboards

Tall units intended for the storage of brooms and cleaning appliances shall have a clear internal height of 1350 mm and may have less than the minimum specified shelf area.

Corner units

Corner units are to be provided to negotiate right angles and will maintain the 100 mm grid lines for base and wall units.

1.6 BACKS

Except where units require backs as an integral part of their construction, they shall be provided without backs.

1.7 PLINTHS

All floor mounted units shall be provided with a plinth.

1.8 TOPS

1.8.1 Worktops. Base units may be supplied with or without worktops as ordered. Continuous worktops shall be supplied, when ordered, to suit two or more units or other specified lengths. A balancing laminate shall be applied to all materials other than laminboard. Exposed edges shall be lipped and all edges not exposed to view shall be adequately sealed against moisture. Adequate provision for fixings shall be provided.

1.9 DOORS

Cupboards shall be enclosed with doors or shutters. Hinged doors shall be so designed that they shall open at least 90° (1.57 radians) within the width dimensions of the unit.

1.10 DRAWERS

1.10.1 Where the fronts of the drawers overlap the frame, the overlap shall be not less than 5 mm. Where the fronts of the drawers are flush with the frame, the clearance on width and height shall not exceed 2 mm per joint.

1.10.2 The distance between the inner face of the back of the carcass and the outer face of the drawer back shall be 80 ± 5 mm.

1.11 FIXING

All built-in units shall be constructed so that they can be securely fixed in position and have adequate provision for fixing.