

Domestic kitchen equipment —

**Part 3: Specification for performance
requirements for durability of surface
finish and adhesion of surfacing and
edging materials**

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Consumer and Contract Goods Standards Policy Committee (CCM/-) to Technical Committee CCM/49, upon which the following bodies were represented:

- Association of Consulting Scientists
- Association of Manufacturers of Domestic Electrical Appliances
- British Furniture Manufacturers' Federation
- British Gas Plc
- British Laminated Plastics Fabricators' Association Ltd.
- British Woodworking Federation
- Consumer Policy Committee of BSI
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electricity Association
- Furniture Industry Research Association
- Incorporated Association of Architects and Surveyors
- Institute of Housing
- Kitchen Specialists' Association
- LHC Building Components and Services
- Metal Sink Manufacturers' Association
- National Federation of Housing Associations
- Paintmakers' Association of Great Britain Ltd.
- Society of British Gas Industries

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Foreword

This Part of BS 6222 has been prepared under the direction of the Consumer and Contract Goods Standards Policy Committee. It specifies the performance requirements of the surface finish of kitchen unit worktops and other surfaces when subjected to a number of tests that simulate normal use and minor accidents likely to occur in a domestic kitchen. The adhesion of the surfacing and edging materials to their substrate and the adhesion of worktop lippings are also specified.

This revision supersedes BS 6222-3:1988 which is withdrawn.

Although the sealing of the underside and uncovered edges of worktops is not specified, it is recommended that where moisture resistance is required the underside and uncovered edges are sealed with lacquer, adhesive or a backing laminate or foil.

This revision introduces some changes to the performance ratings for surface finishes to align them with equivalent requirements in the revision of BS 6250-2 and BS 6250-3 published in 1991.

Other Parts of BS 6222 are as follows:

- *Part 1: Specification for co-ordinating dimensions;*
- *Part 2: Specification for strength requirements and methods of test for fitted kitchen units;*
- *Part 4: Code of practice for protection, storage and installation of kitchen units;*
- *Part 5: Specification for strength requirements and methods of test for peninsular units and breakfast bars.*¹⁾

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, 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⁾ In preparation.

Section 1. General

1 Scope

This Part of BS 6222 specifies performance requirements for the durability of the following surface finishes for fitted, domestic kitchen units:

- a) paint;
- b) lacquer;
- c) thermoplastic foil;
- d) paper foil;
- e) plastics laminate; and
- f) wood.

Performance requirements for the durability of worktops surfaced with ceramic tiles, natural or synthetic marble or similar materials are not specified.

Worktops are classified according to their surface and lipping materials, if any.

2 References

2.1 Normative references

This Part of BS 6222 incorporates, by reference, provisions from specific editions of other publications. These normative references are cited at the appropriate points in the text and the publications are listed on the inside back cover. Subsequent amendments to, or revisions of, any of these publications apply to this Part of BS 6222 only when incorporated in it by updating or revision.

2.2 Informative references

This Part of BS 6222 refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 6222, the definitions given in BS 6222-1 apply, together with the following.

3.1

worktop

a panel, usually of a wood based material, which may be shaped, complete with any surface finish, to be fixed at the normal working height

3.2

lipping

strip of wood or other material with a minimum thickness of 3 mm applied to the edge of a panel

3.3

edging

strip of material less than 3 mm thick applied to the edge of a panel

4 Classification of worktops

Worktops shall be classified in accordance with one of the following types.

a) Type 1

Worktops with a plastics laminate top surface and plastics laminate edging on one or more edges.

b) Type 2

Worktops with an integral plastics laminate to the top surface and front edge.

c) Type 3

Worktops with a plastics laminate top surface and with a lipping of solid timber or other material.

d) Type 4

Worktops of solid or laminated timber.

NOTE 1 Type 1 worktops are generally made with a substrate of a wood chipboard with a plastics laminate top surface and a separate plastics laminate edging.

NOTE 2 Type 2 worktops are generally made with a substrate of a wood chipboard with one or more moulded edges covered by a single plastics laminate, which follows the contours of the edge or edges. They are commonly referred to as "post-formed" worktops.

NOTE 3 Type 3 worktops are generally made with a substrate of a wood chipboard with a plastics laminate top with a lipping of solid timber or other material.

NOTE 4 Type 4 worktops are generally made of solid or edge laminated timber with no separate lipping or edging.

5 Samples for testing

The overall number of samples shall conform to Table 1 and shall include, where applicable, the items specified in Table 2.

The size and quantity of samples submitted for test shall be in accordance with the particular requirements of the tests specified in Table 3 and Table 4. A description shall accompany each sample and shall include, for example, details of the substrate, surface finish etc.

Table 1 — Number of samples to be selected for testing

Number of items in the set	Number of samples selected
1	1
2 to 4	at least 2
5 to 8	at least 3
9 to 15	at least 4
over 15	at least 5