

Australian/New Zealand Standard[®]

Domestic kitchen assemblies

Part 1: Kitchen units

AS/NZS 4386.1:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/89, Kitchen Units. It was approved on behalf of the Council of Standards Australia on 18 March 1996 and on behalf of the Council of Standards New Zealand on 22 April 1996. It was published on 5 July 1996.

The following interests are represented on Committee BD/89:

Australian Furnishing Research and Development Institute
Australian Business
Australian Committee of Independent Living Centres
Australian Wood Panels Association
Australian Woodworking Industry Suppliers Association
Consumers Federation of Australia
HIA-National Kitchen and Bathroom Association, Australia
Housing Industry Association, Australia
Kitchen and Allied Trades Associates, Australia
Master Builders Australia
New Zealand Joinery Manufacturers Federation
New Zealand Manufacturers Federation
New Zealand National Kitchen and Bathroom Association
Royal Australian Institute of Architects
The Australian Gas Association

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 4386.1:1996

Australian/New Zealand Standard[®]

Domestic kitchen assemblies

Part 1: Kitchen units

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0489 1

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/89 on Kitchen Units.

It is one of a series of Standards which, when complete, will comprise:

AS/NZS

- 4386 Domestic kitchen assemblies
- 4386.1 Part 1: Kitchen units (this Standard)
- 4386.2 Part 2: Installation

These Standards are to be used in conjunction with the series of test methods for domestic kitchen assemblies which, when complete, will comprise:

AS/NZS

- 4387 Domestic kitchen assemblies—Methods of test
- 4387.0 Part 0: Introduction, list of methods and general requirements
- 4387.1 Method 1: Determination of strength of carcass and underframe
- 4387.2 Method 2: Determination of shelf deflection
- 4387.3 Method 3: Determination of strength of shelf supports
- 4387.4 Method 4: Determination of the strength of worktops and bottom surfaces
- 4387.5 Method 5: Determination of strength of hinged doors
- 4387.6 Method 6: Determination of slam open of hinged doors
- 4387.7 Method 7: Determination of slam shut of hinged doors
- 4387.8 Method 8: Determination of wear and fatigue of hinged doors
- 4387.9 Method 9: Determination of resistance to downward static load on drawers and other runner-supported items
- 4387.10 Method 10: Determination of slam open of drawers
- 4387.11 Method 11: Determination of slam shut of drawers
- 4387.12 Method 12: Determination of retention of the bottom surface of drawers
- 4387.13 Method 13: Determination of wear and fatigue of drawers, sliding shelves and runners
- 4387.14 Method 14: Determination of strength of handles
- 4387.15 Method 15: Determination of the strength of support frames for wall attachment devices
- 4387.16 Method 16: Determination of calibration of drawer slamming apparatus

The purpose of standardization of kitchen equipment is to allow components to be combined in arrangements which are harmonious and rational, with due account being taken of ergonomic and economic considerations.

The following aspects have to be considered:

- (a) The sizes of component parts.
- (b) The specific areas of each item of equipment, taking into account the possibility of their complete or partial overlapping.
- (c) The location of services (e.g. water, gas, drainage, electricity).
- (d) The combinations of components.

This Standard has been prepared according to the principles of the modular coordination of domestic kitchen assemblies.

This Standard recommends sizes for accommodating kitchen equipment in domestic dwellings.

Where mandatory notes to tables are used in this Standard, they are deemed to form an integral part of the Standard.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

This Standard makes reference to AFRDI (Australian Furniture Research and Development Institute Limited) Standards.

AFRDI Standards are available from:

AFRDI
Newnham Drive
Newnham Tasmania 7248

PO Box 2042, Launceston
Tasmania 7250
Telephone: (003) 26 6155
Facsimile: (003) 26 3090

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

	<i>Page</i>
1 SCOPE	5
2 APPLICATION	5
3 REFERENCED DOCUMENTS	5
4 NEW DESIGNS, MATERIALS AND INNOVATIONS	7
5 DEFINITIONS	7
6 GENERAL REQUIREMENTS	11
7 KITCHEN UNIT AND ASSEMBLY TESTING	16
8 PERFORMANCE REQUIREMENTS	18
9 QUALITY OF WORKMANSHIP	20
10 MARKING AND INSTRUCTIONS	21
 APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	22
B ERGONOMICS	24
C COORDINATION OF SERVICE ZONES	26
D MARKING	41

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Domestic kitchen assemblies****Part 1: Kitchen units**

1 SCOPE This Standard specifies the minimum requirements for the construction, durability, safety, ergonomics, strength, coordination of services and choice of components of fitted kitchen assemblies for use in domestic applications. This Standard is also applicable to small offices, holiday apartments, units and similar non-commercial applications. It is designed for use by manufacturers, builders, consumers, specifiers and regulatory authorities.

NOTES:

- 1 Alternative methods for determining compliance with this Standard are given in Appendix A.
- 2 Appendix B includes details for the ergonomic considerations of kitchen designs.
- 3 For kitchen units for people with disabilities, users of this Standard should also consult AS 1428.2 and AS 4299.
- 4 This Standard is primarily intended for Class 1, 2, 3 and a Class 4 part building as defined in the Building Code of Australia (BCA), but may also include Class 5 and 6.

2 APPLICATION This Standard applies to kitchen units, hardware and materials, as elements of kitchen assemblies.

This Standard covers dimensions for unit/assembly heights, widths and depths as well as space requirements for units, appliances and fittings in order to ensure that they fit together as elements of a kitchen assembly.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1428	Design for access and mobility
1428.2	Part 2: Enhanced and additional requirements—Buildings and facilities
1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
2131	Adhesives—For bonding decorative thermoset laminates (contact adhesives)
2458	Hardboard
2754	Adhesives for timber and timber products
2754.1	Part 1: Adhesives for plywood manufacture
2754.2	Part 2: Polymer emulsion adhesives
2924	Decorative thermosetting laminated sheet
3137	Approval and test specification—Luminaires (lighting fittings)
4299	Adaptable housing



SAI GLOBAL

This is a free 7 page sample. Access the full version online.

The remainder of this document
is available for purchase online at

www.saiglobal.com/shop

SAI Global also carries a wide range of publications from a wide variety of Standards Publishers:



SAI GLOBAL



Click on the logos to search the database online.