AS/NZS 60335.2.17:2004 (Incorporating Amendment Nos 1 and 2)

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17 Ed 2.2, MOD)





AS/NZS 60335.2.17:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 18 March 2004 and on behalf of the Council of Standards New Zealand on 26 March 2004.

This Standard was published on 31 May 2004.

The following are represented on Committee EL-002:

Australian Industry Group
Australian Retailers Association
Australian Electrical and Electronic Manufacturers Association
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical regulatory authorities, Australia
Electrical Compliance Testing Association
Electrical consultants
Electricity Supply Association of Australia
Ministry of Consumer Affairs, New Zealand

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 03936.

AS/NZS 60335.2.17:2004 (Incorporating Amendment Nos 1 and 2)

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17 Ed 2.2, MOD)

Originated in Australia as AS C164—1960.
Previous Australian edition as AS 3164—1960.
Originated in New Zealand as NZS 1302:1962.
Previous New Zealand edition NZS 6317:1988.
Jointly revised and redesignated AS/NZS 3164:1994.
Jointly revised and redesignated in part as AS/NZS 3350.2.17:2000.
Jointly revised and redesignated in part as AS/NZS 60335.2.17:2004.
Reissued incorporating Amendment No. 1 (October 2006).
Reissued incorporating Amendment No. 2 (May 2009).

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

CONTENTS

FΟ	REWORD	4
INT	TRODUCTION	6
1	Scope	7
2	Normative references	8
3	Definitions	8
4	General requirement	10
5	General conditions for the tests	10
6	Classification	12
7	Marking and instructions	12
8	Protection against access to live parts	14
9	Starting of motor-operated appliances	14
10	Power input and current	14
11	Heating	15
12	Void	17
13	Leakage current and electric strength at operating temperature	17
14	Transient overvoltages	18
15	Moisture resistance	18
16	Leakage current and electric strength	19
17	Overload protection of transformers and associated circuits	20
18	Endurance	20
19	Abnormal operation	20
20	Stability and mechanical hazards	23
21	Mechanical strength	23
22	Construction	30
23	Internal wiring	32
24	Components	32
25	Supply connection and external flexible cords	33
26	Terminals for external conductors	34
27	Provision for earthing	34
28	Screws and connections	34
29	Clearances, creepage distances and solid insulation	34
30	Resistance to heat and fire	35
31	Resistance to rusting	37
32	Radiation, toxicity and similar hazards	37

	Annexes	51
	Annex A (informative) Routine tests	51
	Annex AA (normative) Specification for the thermal insulation	52
	Annex BB (normative) Equipment for the mechanical strength test for blankets	53
A2	Annex CC (normative) Clothing	56
ı	Annex ZZ (informative) Variations to IEC 60335-2-17 Ed 2.2 for application in Australia and New Zealand	60
	Bibliography	59
	Figure 101 – Symbol for "Do not use folded or rucked"	38
	Figure 102 – Symbol for "Do not insert pins"	
	Figure 103 – Void	39
	Figure 104 – Arrangement for measuring leakage current and electric strength of the flexible part	40
	Figure 105 – Arrangement for the three-thickness fold test	41
	Figure 106 – Examples showing the position of the thermal insulation on ruck-resistant blankets and mattresses	42
	Figure 107 – Examples of folds and the position of the thermal insulation on pads	43
	Figure 108 – Tumbling barrel for testing the mechanical strength of pads	44
	Figure 110 – Shape of the sample for the tear resistance test	46
	Figure 111 – Equipment for flexing heating elements and internal wiring	47
	Figure 112 – Arrangement for the rigidity test of ruck-resistant blankets	48
	Figure 113 – Equipment for the spark ignition test	49
	Figure 113a – Details of the mask	50
	Figure BB.1 – Equipment for the mechanical strength test of blankets	
	Figure BB.2 – Detail of the drum and cylinders	
	Figure BB.3 – Detail of the clamping bar	55
	Table 101 – Maximum temperatures	16
	Table 102 – Maximum temperature rises	16
	Table A.101 – Test voltages	51



	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation