

AS/NZS 60335.2.72:2003
IEC 60335.2.72 Ed 2.0, IDT
(Incorporating Amendment No. 1)

AS/NZS 60335.2.72:2003

Australian/New Zealand Standard™

**Household and Similar Electrical
Appliances—Safety**

**Part 2.72: Particular requirements for
automatic machines for floor treatment
for industrial and commercial use**



AS/NZS 60335.2.72:2003

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 15 April 2003 and on behalf of the Council of Standards New Zealand on 8 May 2003.

This Standard was published on 30 May 2003.

The following are represented on Committee EL-002:

Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association New Zealand
Consumer Electronic Suppliers Association, Australia
Electrical regulatory authorities, Australia
Electrical test laboratories
Electrical consultants
Electricity Supply Association of Australia
Institution of Engineers Australia
Metal Trades Industries 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 Standards may also be withdrawn.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 02931.

AS/NZS 60335.2.72:2003
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

**Household and Similar Electrical
Appliances—Safety**

**Part 2.72: Particular requirements for
automatic machines for floor treatment
for industrial and commercial use**

Originated as AS/NZS 60335.2.72:2003.
Reissued incorporating Amendment No. 1 (October 2006).

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

ISBN 0 7337 5375 2

CONTENTS

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

Annex CC (normative) Falling-object protective structures (FOPS) – Dynamic test and performance requirements	36
Annex ZZ (informative) Variations to IEC 60335-2-72 Ed 2.0 + A1 for application in Australia and New Zealand	42
Bibliography	41
Figure 101 – Impact test apparatus	29
Figure 102 – Apparatus for testing the abrasion resistance of current-carrying hoses	30
Figure 103 – Apparatus for testing the resistance to flexing of current-carrying hoses	31
Figure 104 – Configuration of the hose for the freezing treatment	31
Figure 105 – Flexing positions for the hose after removal from the freezing cabinet.....	32
Figure CC.1 – Satisfactory protection by the overhead guard	38
Figure CC.2 – Admissible deformation when the overhead guard is supported at all sides	39
Figure CC.3 – Admissible deformation when the overhead guard is supported at one side	40

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

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-