

Australian/New Zealand Standard™

Safety, protective and occupational footwear

Part 1: Guide to selection, care and use



AS/NZS 2210.1:2010

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-003, Occupational Protective Footwear. It was approved on behalf of the Council of Standards Australia on 5 August 2010 and on behalf of the Council of Standards New Zealand on 13 August 2010.

This Standard was published on 1 September 2010.

The following are represented on Committee SF-003:

Association of Accredited Certification Bodies
Australasian Fire and Emergency Service Authorities Council
Australian Chamber of Commerce and Industry
Australia Industry Group
Department of Defence (Australia)
Energy Networks Australia
Footwear Manufacturers Association of Australia
New Zealand Footwear Industry Association
New Zealand Leather & Shoe Research Association
Plastics and Chemical Industries Association
Testing Interest (Australia)

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 Standards may also be withdrawn.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.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

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 AS NZS 2210.1.

Australian/New Zealand Standard™

Safety, protective and occupational footwear

Part 1: Guide to selection, care and use

Originated in Australia as AS Z2—1952 and AS Z3—1952.
Originated in New Zealand as NZS 1326:1961 and NZS 1327:1962.
Previous edition AS/NZS 2210.1:1994.
Second edition 2010.

COPYRIGHT

© Standards Australia Limited/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, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140

ISBN 978 0 7337 9663 0

PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee SF-003, Protective Occupational Footwear, to supersede AS/NZS 2210.1:1994, *Occupational protective footwear, Part 1: Guide to selection, care and use*.

The objective of this Standard is to provide users with advice for recommended practices for the selection, care and use of safety, protective and occupational footwear for use in a wide range of environment and occupations. The objective of this revision is to incorporate changes in requirements and nomenclature of occupational footwear as described in the latest editions of the AS/NZS 2210 series.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 GENERAL PRINCIPLES.....	4
1.3 REFERENCED DOCUMENTS	4
1.4 DESIGN, CONSTRUCTION AND CLASSIFICATION.....	4
1.5 MARKING OF CATEGORIES	6
SECTION 2 FOOT PROTECTION	
2.1 GENERAL PRINCIPLES.....	11
2.2 HAZARD IDENTIFICATION AND RISK ASSESSMENT	11
2.3 SELECTION OF FOOTWEAR.....	12
2.4 ONGOING MONITORING	12
SECTION 3 ADDITIONAL REQUIREMENTS FOR SAFETY FOOTWEAR	
3.1 GENERAL	17
3.2 PENETRATION RESISTANCE	17
3.3 PROTECTION OF METATARSAL	17
3.4 ELECTRICAL HAZARDS.....	17
SECTION 4 FITTING AND CARE OF FOOTWEAR	
4.1 FITTING	20
4.2 CARE	20
4.3 HYGIENE	21
APPENDICES	
A SELECTION GUIDE BASED ON THE SLIP-RESISTANCE CHARACTERISTICS OF SOLING MATERIALS.....	22
B ASSESSMENT OF FOOTWEAR	23

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Safety, protective and occupational footwear

Part 1: Guide to selection, care and use

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out the recommended practices for the selection, care and use of safety, protective and occupational footwear. It also includes the hazards associated with the use of such footwear.

1.2 GENERAL PRINCIPLES

In general, safety, protective and occupational footwear should be worn to reduce injuries to feet resulting from—

- (a) contact with falling, rolling or cutting objects;
- (b) penetration through the sole or uppers;
- (c) friction or pressure blistering
- (d) explosions and electrical hazards;
- (e) contact with chemicals, heat and molten metals; and
- (f) slipping.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

- 2210 Occupational protective footwear
- 2210.2 Part 2: Test methods (ISO 20344:2004, MOD)
- 2210.3 Part 3: Specification for safety footwear (ISO 20345:2004, MOD)
- 2210.4 Part 4: Specification for protective footwear (ISO 20346:2004, MOD)
- 2210.5 Part 5: Specification for occupational footwear (ISO 20347:2004, MOD)

EN

- 50321 Electrically insulating footwear for working on low voltage installations

ISO

- 17249 Safety footwear with resistance to chain saw cutting

1.4 DESIGN, CONSTRUCTION AND CLASSIFICATION

Construction of safety, protective and occupational footwear is exemplified in Figure 1. Design and classification have been defined in AS/NZS 2210, Parts 2–5. Classification is presented in Table 1. Designs of footwear are illustrated in Figure 2. Protective elements should be incorporated in the footwear in such a way that they cannot be removed without damaging it.

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

-
- ▶ Looking for additional Standards? Visit [SAI Global Infostore](#)
 - ▶ Subscribe to our [Free Newsletters about Australian Standards® in Legislation; ISO, IEC, BSI and more](#)
 - ▶ Do you need to [Manage Standards Collections Online?](#)
 - ▶ Learn about [LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
 - ▶ Do you want to [know when a Standard has changed?](#)
 - ▶ Want to [become an SAI Global Standards Sales Affiliate?](#)

Learn about other SAI Global Services:

- ▶ [LOGICOM Military Parts and Supplier Database](#)
- ▶ [Metals Infobase Database of Metal Grades, Standards and Manufacturers](#)
- ▶ [Materials Infobase Database of Materials, Standards and Suppliers](#)
- ▶ [Database of European Law, CELEX and Court Decisions](#)

Need to speak with a Customer Service Representative - [Contact Us](#)