

Australian/New Zealand Standard™

**Occupational protective footwear**

**Part 3: Specification for safety footwear  
(ISO 20345:2004, MOD)**



### **AS/NZS 2210.3:2009**

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 16 June 2009 and on behalf of the Council of Standards New Zealand on 26 June 2009.

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The following are represented on Committee SF-003:

Association of Accredited Certification Bodies  
Australasian Fire Authorities Council  
Australian Chamber of Commerce and Industry  
Australian Industry Group  
Department of Defence (Australia)  
Footwear Manufacturers Association of Australia  
New Zealand Footwear Industry Association  
New Zealand Leather & Shoe Research Association  
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*This Standard was issued in draft form for comment as DR 07198.*

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# Australian/New Zealand Standard™

## Occupational protective footwear

### Part 3: Specification for safety footwear (ISO 20345:2004, MOD)

Originated as part of AS Z2—1952.  
Previous editions AS/NZS 2210.2:2000, AS/NZS 2210.3:2000 and AS/NZS 2210.7:2001.  
Jointly revised, amalgamated and designated as AS/NZS 2210.3:2009.

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-003, Occupational Protective Footwear to supersede AS/NZS 2210.2:2000, *Occupational protective footwear, Part 2: Requirements and test methods* (in part) as well as AS/NZS 2210.3:2000, *Occupational protective footwear, Part 3: Specification for safety footwear*, as well as AS/NZS 2210.7:2001, *Occupational protective footwear, Part 7: Additional specifications for safety footwear*.

This Standard has been adopted with national modifications and has been reproduced from the International Standard ISO 20345:2004, *Personal protective equipment—Safety footwear* ISO 20345:2004/Cor.1:2005, ISO 20345:2004/Cor.2:2006, and ISO 20345:2004/Amd.1:2007, and has been varied as indicated in Appendixes ZZ and ZA to take into account of Australian and New Zealand conditions. The Corrigenda and Amendment have been added after the source text.

The objective of this Standard is to provide manufacturers and users with requirements for footwear intended for use in workplace applications.

The objective of this revision is to adopt the current edition of ISO 20345.

As this Standard is reproduced from an international standard, the following applies:

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text ‘this European Standard’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
EN ISO	AS/NZS
20344 Personal protective equipment—Test method for footwear (ISO 20344:2004)	2210 Occupational protective footwear 2210.2 Part 2: Test methods

NOTE: Any international Standards not listed have not been adopted as Australian or Australian/New Zealand Standards.

Guidance for the selection, care and use of protective footwear is not covered by this Standard but is provided in AS/NZS 2210.1, *Occupational protective footwear, Part 1: Guide to selection, care and use*.

The terms ‘normative’ and ‘informative’ are used to define the application of the appendix to which they apply. A normative appendix is an integral part of a standard, whereas an informative appendix is only for information and guidance.

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# AUSTRALIAN/NEW ZEALAND STANDARD

## Occupational protective footwear

### Part 3:

### Specification for safety footwear (ISO 20345:2004, MOD)

#### 1 Scope

This European Standard specifies basic and additional (optional) requirements for safety footwear.

#### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12568:1998, *Foot and leg protectors – Requirements and test methods for toecaps and metal penetration resistant inserts*

EN ISO 20344:2004, *Personal protective equipment - Test methods for footwear (ISO 20344:2004)*

#### 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

NOTE The component parts of footwear are illustrated in figures 1 and 2.

##### 3.1

##### **safety footwear**

footwear, incorporating protective features to protect the wearer from injuries which could arise through accidents, fitted with toecaps, designed to give protection against impact when tested at an energy level of at least 200 J and against compression when tested at a compression load of at least 15 kN

##### 3.2

##### **leather**

##### 3.2.1

##### **full grain leather**

hide or skin tanned to be imputrescible having conserved the totality of its grain

##### 3.2.2

##### **corrected grain leather**

hide or skin tanned to be imputrescible which has been subjected to mechanical buffing to modify its grain structure

##### 3.2.3

##### **leather split**

flesh or middle part of a hide or skin tanned to be imputrescible obtained by splitting a thick leather

##### 3.3

##### **rubber**

vulcanized elastomers

##### 3.4

##### **polymeric materials**

for example polyurethane or polyvinylchloride

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