



24 August 2016

Australian/New Zealand AS/NZS 2210.3:2009 Specification for Safety Footwear

Basic requirements

- Height of uppers – Shall meet minimum requirement based on shoe size
- Construction – Insole shall be non-removable
- Toe caps shall be non-removable
- Toe caps shall have a minimum length based on size
- Toe caps shall meet minimum impact requirement after subjected to heat, cold, acid and alkaline treatment
- Specific ergonomics – Footwear shall not cause discomfort
- Seat region (heel) shall be closed
- Impact resistance – 200 Joule
- Compression resistance – 15kN
- Antistatic (Additional requirement) – 100 kilo ohm to 1000 Mega ohm
- Energy absorption of heel - ≥ 20 Joules
- Leather tear strength - ≥ 120 Newton
- Leather pH value - ≥ 3.2
- Chromium VI content – None detectable
- Upper materials WVP and WVC - > 0.8 mg/(cm²) and > 15 mg/cm²
- Lining tear strength – Leather ≥ 30 Newton. Synthetic ≥ 15 Newton
- Lining abrasion resistance – Dry / no holes at 25,600 cycles. Wet / no holes at 12,800 cycles
- Lining materials WVP and WVC - ≥ 2 mg/(cm²) and ≥ 20 mg/cm²
- Thread strength – shall meet minimum requirement based on seam construction type
- Tongue tear strength – 36 Newtons
- Insole thickness - ≥ 2 mm
- Insole & insock water absorption/desorption – WA ≥ 70 mg/cm³. WD $\geq 80\%$
- Insole abrasion resistance – 400 cycles
- Insock abrasion resistance – Dry / no holes at 25,600 cycles. Wet / no holes at 12,800 cycles
- Outsole cleat height - ≥ 2.5 mm
- Outsole tear strength - ≥ 8 kN/m
- Outsole abrasion resistance - ≤ 150 mm³
- Outsole flex crack resistance - ≤ 4 mm at 30,000 flexes
- Soling hydrolysis resistance - ≤ 6 mm at 60,000 flexes
- Sole interlayer bond strength - ≥ 4 N/mm
- Outsole fuel oil resistance – Increase in volume shall be not greater than 12%
- Outsole slip resistance –
 - Condition A (forward heel/Clay tile with SLS) - ≥ 0.28 Co-efficient
 - Condition B (forward flat/Clay tile with SLS) - ≥ 0.32 Co-efficient
 - Condition C (forward heel/Steel plate with glycerine) - ≥ 0.13 Co-efficient
 - Condition D (forward flat/ Steel plate with glycerine) - ≥ 0.18 Co-efficient





Certificate

This is to certify that **Footwear Industries Pty Ltd**

ABN 15 068 608 917

Head Office Address 18 Irvine Drive,
Malaga,
Western Australia, 6090,
Australia

Holds Certificate Number **BMP 541294 (ID2178)**

Is authorised to use the BSI registered Benchmark Product Certification Trademark, on products identified in the Product Certification Schedule that is attached to this Product Certification Certificate. Such products have been Type Tested and are manufactured under the Product Certification Requirements monitored by BSI to ensure that the manufacturing process has the capability to consistently produce products in compliance with and are Certified to:

ASTM F 2413-11 Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear



For and on behalf of BSI

Nick Koukoulas, Managing Director, BSI Group Australia & New Zealand Pty Ltd

Originally registered
15/05/2007

Latest issue
27/03/2013

Expiry date
14/05/2017



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This is to certify that **Footwear Industries Pty Ltd**

ABN 15 068 608 917

Head Office Address 18 Irvine Drive,
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Holds Certificate Number **BMP 521409 (ID2178)**

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EN ISO 20345:2011 Personal protective equipment - Safety footwear

For and on behalf of BSI

Marc Barnes, Managing Director, BSI Group ANZ Pty Ltd

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15/05/2007

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