

Australian/New Zealand Standard™

**Boxes and enclosures for electrical
accessories for household and similar
fixed electrical installations**

**Part 23: Particular requirements for
floor boxes and enclosures**



AS/NZS IEC 60670.23:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 27 March 2012 and on behalf of the Council of Standards New Zealand on 29 March 2012.

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Australian Industry Group
Consumer Electronics Suppliers Association
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Engineers Australia
International Accreditation New Zealand
Ministry of Economic Development, New Zealand
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Part 23: Particular requirements for floor boxes and enclosures

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories.

The objective of this Standard is to provide the Australian and New Zealand electrical industry, including manufacturers, regulators, test laboratories and certification bodies, with requirements for boxes and enclosures for electrical accessories intended to be installed in any kind of floor, and to protect accessories against load up to and including 1000 N.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to floor boxes and enclosures for electrical accessories for household and similar fixed electrical installations are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

This Standard is identical with, and has been reproduced from, IEC 60670-23, Ed. 1.0 (2006), *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations—Part 23: Particular requirements for floor boxes and enclosures*.

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 part of IEC 60670' should read 'this Australian/New Zealand Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

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AUSTRALIAN/NEW ZEALAND STANDARD

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations

Part 23:

Particular requirements for floor boxes and enclosures

1 Scope

This clause of Part 1 is applicable except as follows:

Addition after the fourth paragraph:

This standard applies to boxes and enclosures intended to be installed in any kind of floor, and to protect accessories against load up to and including 1 000 N.

NOTE Outdoor requirements are under consideration.

2 Normative references

This clause of Part 1 is applicable.

3 Definitions

This clause of Part 1 is applicable with the following additions:

3.106**finished floor (for indoor application)**

floor which carries the load and which is completed with or without a floor covering material such as carpet, tile, vinyl or wood

3.107**dry treatment of floor**

process for cleaning and/or care by which the floor is treated without liquids or with only a small quantity of liquid. The required agents are applied and spread in such quantities that no pools are formed, and soaking of the floor covering does not occur

NOTE Examples for dry treatment are: Sweeping with a broom or carpet-sweeper, vacuum cleaning, brushing, cleaning with a dry cleaning powder, dry shampoo treatment, wet shampooing of carpets, treatment with cleaning litter (liquid chemical cleaning agent on a solid material used as carrier, e.g. soaked sawdust, damp cloth, etc.).

3.108**wet treatment of floor**

process for cleaning and/or care by which the floor is treated with liquid agents such that pools of liquid, or soaking of the floor covering for a brief period of time, cannot be excluded

NOTE Examples of wet treatment are: wet scrubbing, manual or mechanical wiping.

4 General requirements

This clause of Part 1 is applicable.