

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 2
to
AS/NZS 3350.2.27:1996
Safety of household and similar electrical appliances
Part 2.27: Particular requirements –
Appliances for skin exposure to ultraviolet and infrared radiation

REVISED TEXT

The 1996 edition of AS/NZS 3350.2.27 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This amendment applies to the Preface, and Clauses 2.101, 2.107, 7.1, 7.12, 11.8, 19.2, 22.109, 23.3, 24.1.4, 32.101 and 32.102, and Figure 101, and Annex ZZ.

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AMD.
No. 2

Page ii Preface

Delete the fourth paragraph and *replace* with the following:

This Standard is technically equivalent to and reproduced from the third edition of IEC 60335-2-27:1995, *Safety of household and similar electrical appliances, Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation* including its Amendment 1. It is to be used in conjunction with the latest edition of AS/NZS 3350.1, *Safety of household and similar electrical appliances, Part 1: General requirements* and its Amendments. It was established on the basis of AS/NZS 3350.1:1994.

This amendment forms part of the Standard on publication.

AMD.
No. 2

Page 2 Clause 2.101

Delete Clause 2.101 and *replace* with the following:

2.101 ultraviolet emitter (UV emitter): Radiating source designed to emit non-ionizing electromagnetic energy at wavelengths of 400 nm or less.

This amendment forms part of the Standard on publication.

AMD.
No. 2

Page 2 Clause 2.107

Delete Clause 2.107 and *replace* with the following:

2.107 effective irradiance: Irradiance of electromagnetic radiation weighted according to a specific action curve.

This amendment forms part of the Standard on publication.

Page 3 Clause 7.1

Delete the second paragraph and *replace* with the following:

UV appliances provided with replaceable **UV emitters** shall be marked with the type reference of the emitters which are recommended for use.

This amendment forms part of the Standard on publication.

Page 3 Clause 7.1

Delete the second WARNING and *replace* with the following:

WARNING - Ultraviolet radiation may cause injury to the eyes and skin, such as skin ageing and eventually skin cancer.

Read instructions carefully.

Wear the protective goggles provided.

Certain medicines and cosmetics may increase sensitivity.

This amendment forms part of the Standard on publication.

Page 4 Clause 7.12

Delete the third dash item and NOTE 1 and *replace* with the following:

- recommended schedule of exposure specifying duration and intervals taking into account the **UV emitter** characteristics, distances and skin sensitivity.

NOTE 1 The recommended exposure time for the first session for untanned skin is not to be less than 1 min. It is to correspond to a dose not exceeding 100 J/m², weighted according to the UV action spectrum of figure 101, or to the result of a test on a small area of the skin.

This amendment forms part of the Standard 1 year from publication.

Page 4 Clause 7.12

Delete NOTE 2 and *replace* with the following:

NOTE 2 The recommended number of exposures for each part of the body is to be based upon a maximum yearly dose of 15 kJ/m², weighted according to the UV action spectrum of figure 101 and taking into account the recommended schedule of exposure.

This amendment forms part of the Standard 1 year from publication.

Page 4 **Clause 7.12**

Delete the sixth and seventh dash items and *replace* with the following:

- identification of alternative components which may influence the ultraviolet radiation, such as filters and reflectors;
- identification of replaceable **UV emitters** and a statement that they are only to be replaced by the types marked on the appliance, or an instruction that the replacement of lamps must only be carried out after taking advice from an authorized service agent.

This amendment forms part of the Standard 1 year from publication.

Page 5 **Clause 7.12**

Delete the last bullet point and *replace* with the following:

- seek medical advice if persistent lumps or sores appear on the skin, or if there are changes in pigmented moles.

This amendment forms part of the Standard 1 year from publication.

Page 7 **Clause 11.8**

Delete the Modification.

Delete the Addition and *replace* with the following:

11.8 Addition:

The temperatures of ballast windings and their associated wiring shall not exceed the values specified in 12.4 of IEC 60598-1, when measured under the conditions stated.

The temperature rises for surfaces in contact with the skin shall not exceed those specified for handles which are continuously held in the hand.

This amendment forms part of the Standard on publication.
