

Australian/New Zealand Standard™

**Domestic solid fuel burning
appliances—Installation**

Building Code of Australia
Primary referenced Standard



Standards Australia



AS/NZS 2918:2001

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-062, Solid Fuel Burning Appliances. It was approved on behalf of the Council of Standards Australia on 14 August 2001 and on behalf of the Council of Standards New Zealand on 31 August 2001. It was published on 21 November 2001.

The following interests are represented on Committee CS-062:

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Australian Fire Authorities Council

Australian Association of Certification Bodies

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Australian Chamber of Commerce and Industry

Australian Home Heating Association

Australian Industry Group

Australian Institute of Building Surveyors

Australian Retailers Association

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Australian/New Zealand Standard™

Domestic solid fuel burning appliances—Installation

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-062, Domestic Solid Fuel Burning Appliances to supersede the Australian and New Zealand Standards AS 2918—1990, *Domestic solid fuel burning appliances—Installation* and NZS 7421:1990, *Specification for installation of solid fuel burning domestic appliances*.

As well as the development of a new Standard based on AS 2918 and NZS 7421, a number of significant changes have been included. The construction and clearance factors in Table 3.1 have been revised and a new Table 3.2 added with subsequent changes to Figures 3.1 and 4.3. Testing requirements for fireplace insert appliances based on NZS 7421:1990 have been included. Requirements for seismic restraints mantleshelf shielding, built-in appliances and compliance with the flue gas emission limits of AS/NZS 4012 are also included.

Untested unencased flue systems are no longer permitted beyond the ceiling or wall penetration of the room where the appliance is installed. The requirements for flue-system construction and installation have been revised to more strictly control their manufacture and installation. Additional requirements for fireplace insert appliances, zero clearance (in built) appliances, cathedral ceiling penetrations and flue exits are provided.

The installation requirements for untested appliances and flue-systems apply from the date of publication of this Standard. Existing construction requirements for untested flue-systems remain valid for a period of one year from the date of publication. Existing requirements for tested appliances and flue-systems are to remain valid for a period of two years from the date of publication to allow manufacturers and installers time to comply with the Australian and New Zealand codes and this Standard.

Appliances and flue systems tested to and complying with ISO 10774:1992, *Solid fuelled heaters—Test method for determining allowable clearances from combustible surfaces* can claim compliance with the equivalent requirements of this Standard and do not require re-testing for installation in Australia and New Zealand.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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Australian/New Zealand Standard
Domestic solid fuel burning appliances—Installation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for the installation of domestic solid fuel burning appliances which can be fully assembled prior to being transported to the installation site. It does not cover the installation of appliances which must be assembled in situ, or appliances with electrically driven fuel stoker systems.

NOTE: The requirements for the design and construction and the measurements of performance of solid fuel burning appliances in terms of heat output, efficiency and emissions are not covered in this Standard. These topics are dealt with in AS/NZS 3869, AS/NZS 4012 and AS/NZS 4013.

This Standard will be referenced in the Building Code of Australia by way of BCA Amendment No. 10 to be published by 1 January 2002, thereby superseding the previous edition, AS 2918—1990, which will be withdrawn 12 months from the date of publication of this edition.

1.2 OBJECTIVE

The objective of this Standard is to provide manufacturers, installers and consumers with means for determining the requirements (including clearances from heat-sensitive materials) for the correct and safe installation of domestic solid fuel (wood) burning heating appliances and their associated floor protectors and flue systems.

1.3 APPLICATION

This Standard is applicable to the installation of new and tested second-hand domestic solid fuel burning appliances, whether installed in domestic or commercial situations including the following categories:

- (a) Space heaters, including open fronted fireplace inserts.
- (b) Cooking appliances.
- (c) Open-vented water-heating appliances.
- (d) Central-heating appliances.
- (e) Any combination of two or more of the appliance categories shown in Items (a) to (d) above.

Results of a test on one sample or prototype appliance or accessory shall be applicable to all other appliances or accessories of the same construction.

This Standard is not applicable to:

- (i) Warm air distribution ducting systems beyond the primary wall, floor or ceiling penetration.
- (ii) Appliances with flue outlets greater than 100 000 mm².
- (iii) The long term durability of materials.