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NZS 4218:2009 Thermal insulation - Housing and small buildings

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Abbreviation

NZS 4218:2009

Valid from

06/07/2009

Replaces

[NZS 4218:2004](#)

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

Cited By

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Cites

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Description

Insulating your home is the most effective thing you can do to keep it warm, save energy and money. If you are looking to build or renovate, you need to make sure any new work complies with the insulation requirements set out in the Building Code. It is often worth spending a little extra and exceeding the minimum Building Code requirements to make your home as warm and comfortable as possible.

This standard helps establish the levels of thermal insulation for houses and small buildings. When read along with Acceptable Solution H1/AS1, it provides a way of complying with the New Zealand Building Code for the thermal insulation of houses for energy efficiency.

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- [H1/AS1 \(Fourth Edition, Amendment 3\)](#)

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- [H1/AS1 \(Fourth edition, Amendment 4\)](#)

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- [H1/VM1 \(Fourth edition, amendment 3\)](#)

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This document CITES:

New Zealand Standards

- [AS/NZS 4666:2000](#)

NZS 4218:2009 cites AS/NZS 4666:2000 Insulating glass units

- [AS/NZS 4668:2000](#)

NZS 4218:2009 cites AS/NZS 4668:2000 (R2016) Glossary of terms used in the glass and glazing industry

- [NZS 4214:2006](#)

NZS 4218:2009 cites NZS 4214:2006 Methods of determining the total thermal resistance of parts of buildings

- [NZS 4303:1990](#)

NZS 4218:2009 cites NZS 4303:1990 Ventilation for acceptable indoor air quality

Other

- ASHRAE SPC 142 Standard method for determining and expressing fenestration heat transfer (a link to this resource is not available)
- [BRANZ House Insulation Guide 2014 \(5th Edition\)](#)

NZS 4218:2009 cites BRANZ House Insulation Guide, 5th Edition 2014

- [ISO 15099:2003](#)

NZS 4218:2009 cites ISO 15099:2003 Thermal performance of windows, doors and shading devices - Detailed calculations

- [NREL/TP-472-6231 1995](#)

NZS 4218:2009 cites NREL/TP-472-6231 1995 Judkoff R. and Neymark J. International Energy Agency building energy simulation test (BESTEST) and diagnostic method. Golden, Colorado, USA; National Renewable Energy Laboratory

- [Passive design - 2nd Edition \(2nd Edition\)](#)

NZS 4218:2009 cites Level Sustainable Building Series: Passive design - 2nd Edition

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