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Acceptable Solution H1/AS1: Energy Efficiency

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Abbreviation

H1/AS1

Amendment

4

Version

Fourth edition, Amendment 4

Valid from

28/11/2019

Information provider

Ministry of Business, Innovation and Employment

Information type

Acceptable Solution

Format

PDF

Cites

[This resource cites 8 documents \(show Citations\)](#)

Description

Acceptable Solution H1/AS1 provides a means of compliance with Building Code Clause H1 Energy Efficiency.

Clause H1 provides for the efficient use of energy and sets physical conditions for energy performance.

It requires housing to meet a building performance index (BPI) not exceeding 1.55 (this is defined in the Verification Method and Acceptable Solution).

It requires enclosed spaces where temperature or humidity are modified to provide adequate thermal resistance and to limit uncontrollable airflow in certain buildings. It also sets out physical conditions likely to affect energy performance, and requirements for hot water systems, artificial lighting and HVAC systems.

Scope

This Acceptable Solution can be used for housing, communal residential, communal non-residential and commercial buildings.

It does not include the use of foil insulation.

Previous versions:

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

[H1/AS1 \(Third Edition, Amendment 2\)](#)

[H1/AS1 \(Third Edition \(unamended\)\)](#)

For assistance with locating previous versions, please contact the information provider.

Notes/comments

Amendment 4 of H1 includes Alterations on:

- page 11 References
- page 17 H1/VM1 1.1.3 Comment, 1.3.1 Comment
- pages 19-21 H1/AS1 2.1.2 Comment, 2.1.4, 2.1.5 and 6.1.1

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[H1/AS1 Amendment 3 Fourth Edition, Amendment 3](#)
[H1/AS1 Amendment 2 Third Edition, Amendment 2](#)
[H1/AS1 Third Edition \(unamended\)](#)

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This document CITES:

New Zealand Standards

- [AS/NZS 4859.1:2002](#)

H1/AS1 cites AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings - General criteria and technical provisions from 31/10/2007

- [NZS 4214:2006](#)

H1/AS1 cites NZS 4214:2006 Methods of determining the total thermal resistance of parts of buildings from 31/10/2007

- [NZS 4218:2009](#)

H1/AS1 cites NZS 4218:2009 Thermal insulation - Housing and small buildings from 01/01/2017

- [NZS 4243.1:2007](#)

H1/AS1 cites NZS 4243.1:2007 Energy efficiency - Large buildings - Building thermal envelope from 31/10/2007

- [NZS 4243.2:2007](#)

H1/AS1 cites NZS 4243.2:2007 Energy efficiency - Large buildings - Lighting from 31/10/2007

- [NZS 4305:1996](#)

H1/AS1 cites NZS 4305:1996 Energy efficiency - domestic type hot water systems from 31/10/2007

Other

- [ALF3 \(3rd edition April 2000\)](#)

H1/AS1 cites ALF3 The "Annual Loss Factor" Method - A design tool for energy efficient houses

- [Temperature normals for NZ](#)

H1/AS1 cites Temperature normals for New Zealand for the period 1961 - 1990

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Acceptable Solution H1/AS1

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