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Verification Method H1/VM1: Energy Efficiency

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Abbreviation

H1/VM1

Amendment

3

Version

Fourth edition, amendment 3

Valid to

31/03/2020

Valid from

01/01/2017

Information provider

Ministry of Business, Innovation and Employment

Information type

Verification Method

Format

PDF

Cites

[This resource cites 5 documents \(show Citations\)](#)

Description

Verification Method H1/VM1 provides a means of compliance with Building Code Clause H1 Energy Efficiency.

This clause 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 Verification Method can be used for housing, communal residential, communal non-residential and commercial buildings.

Previous versions:

[H1/VM1 \(Third Edition, Amendment 2\)](#)

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Previous versions

[H1/VM1 Amendment 2 Third Edition, Amendment 2](#)

[H1/VM1 Third Edition \(unamended\)](#)

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This resource cites:

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This document CITES:

- [NZS 4214:2006](#)

H1/VM1 cites NZS 4214:2006 Methods of determining the total thermal resistance of parts of buildings from 31/10/2007

- [NZS 4218:2009](#)

H1/VM1 cites NZS 4218:2009 Thermal insulation - Housing and small buildings from 01/01/2017

- [NZS 4243.1:2007](#)

H1/VM1 cites NZS 4243.1:2007 Energy efficiency - Large buildings - Building thermal envelope from 31/10/2007

Other

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

H1/VM1 cites ALF3 The "Annual Loss Factor" Method - A design tool for energy efficient houses from 31/10/2007

- [Temperature normals for NZ](#)

H1/VM1 cites Temperature normals for New Zealand for the period 1961 - 1990 from 31/10/2007

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