

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

  

[Save](#)

[Resource detail](#)  
[Citations](#)

## Verification Method H1/VM1: Energy Efficiency

[View on Information Provider website](#) [Download this resource \(PDF, 568KB\)](#)

Abbreviation

H1/VM1

Amendment

4

Version

Fourth edition, Amendment 4

Valid from

28/11/2019

---

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 \(Fourth edition, amendment 3\)](#)

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

[H1/VM1 \(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

[Table of Contents](#) [View on Information Provider website](#) [Download this resource \(PDF, 568KB\)](#) [{{ linkText }}](#)

[Previous versions](#)

[H1/VM1 Amendment 3 Fourth edition, amendment 3](#)  
[H1/VM1 Amendment 2 Third Edition, Amendment 2](#)  
[H1/VM1 Third Edition \(unamended\)](#)

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

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

This resource is not cited by any other resources.

## Verification Method H1/VM1: Energy Efficiency

This document is not CITED BY any other resources:

[Back](#)

## Verification Method H1/VM1: Energy Efficiency

[Show what documents this resource is CITED BY](#) [Show what documents this resource CITES](#)

#### 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.

[View on Information Provider website](#) [Download this resource \(PDF, 568KB\)](#)

#### [Verification Method H1/VM1: Energy Efficiency](#)

#### 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.

[View on Information Provider website](#) [Download this resource \(PDF, 568KB\)](#)

**This resource cites:**

## **Verification Method H1/VM1: Energy Efficiency**

**This document CITES:**

### **New Zealand Standards**

- [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

Back

Close

### **Table of Contents**

## **References**

## **Definitions**

## **Verification Method H1/VM1**

### **1.0 Building Thermal Envelope**

#### **1.1 Modelling of housing and small buildings**

#### **1.2 Building performance index for housing**

#### **1.3 Modelling of large buildings other than housing**

#### **1.4 Determining thermal resistance**

## **Acceptable Solution H1/AS1**

### **1.0 General**

## 2.0 Building Thermal Envelope

### 2.1 Housing and small buildings

### 2.2 Large buildings other than housing

### 2.3 Determining thermal resistance

## 3.0 Control of Airflow

## 4.0 Control of Solar Heat Gain

## 5.0 Hot Water Systems

## 6.0 Artificial Lighting

### 6.1 Commercial and Communal Non-Residential buildings

## Index

[Save](#)

[Feedback](#)


- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)


[Feedback](#)