



Get to know H1/AS1 Sixth edition

INFORMATION ON THE NEW EDITION OF THE ACCEPTABLE SOLUTION

On 27 November 2025, MBIE published Acceptable Solution H1/AS1 Sixth edition.

If you have used H1/AS1 in the past, you will see some changes in the new version.



Updates following consultation

On 3 July 2025, MBIE announced part of the outcome of consultation on Acceptable Solutions H1/AS1 and H1/AS2 and Verification Methods H1/VM1 and H1/VM2. Following the consultation, the Schedule Method has been removed from H1/AS1. Other changes have been made to the Calculation Method to make it clearer and more flexible in its use.



Building Product Specifications

The acceptable solution now includes references to the Building Product Specifications. Further information on the Building Product Specifications and what purposes it is used for are provided in the acceptable solution.



Minor amendments that do not affect the level of performance

Other minor amendments have been made to the acceptable solution that do not affect the level of performance required but may assist in the interpretation and use of the document. This includes corrections for typos, grammar, formatting, cross-references, and punctuation. Portions have also been revised to reflect current practices for drafting the text.

We have provided the table on the follow pages to outline the differences between the Sixth edition and the Fifth edition Amendment 1 including:

- A side-by-side index of the headings and paragraph numbers that have changed, and
- Comments on specific headings and paragraphs where the text has changed.

This table has been provided for information only. The wording and numbering in the acceptable solution itself takes precedence.

The previous edition of H1/AS1 can still be used to demonstrate compliance with the Building Code until 26 November 2026.

Information on the sixth edition

H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
Part 1. General	Part 1. General	
1.1 Introduction	1.1 Introduction	
1.1.1 Scope of this document	1.1.1 Scope of this document	
1.1.1.1	1.1.1.1	Minor revision post-consultation to improve clarity. Comment box revised as proposed in the consultation document, with additional post-consultation wording added to improve clarity.
1.1.1.2	1.1.1.2	
1.1.2 Items outside the scope of this document	1.1.2 Items outside the scope of this document	
1.1.2.1	1.1.2.1	Minor revision post-consultation to improve clarity.
1.1.2.2	1.1.2.2	
1.1.2.3	1.1.3.2	Relocated to the subsection on the compliance pathway.
1.1.3 Compliance pathway	1.1.3 Compliance pathway	
1.1.3.1	1.1.3.1	Revised to give more information on the compliance pathway and to replace Table 1.1.3.1.
1.1.3.2	<Removed from document>	Removed for consistency with other AS/VM documents.
Table 1.1.3.2lk	<Removed from document>	Removed for consistency with other AS/VM documents. Relevant information for H1/AS1 relocated to Paragraph 1.1.3.1
1.1.3.3	1.1.3.3	Comment box revised as proposed in the consultation document.
1.2 Using this acceptable solution	1.2 Using this acceptable solution	
1.2.1 Determining the classified use	1.2.1 Determining the classified use	
1.2.1.1	1.2.1.1	
1.2.1.2	<Removed from document>	Removed as industrial buildings are within scope of the Building Code clause H1.3.4 for the energy efficiency of hot water systems.

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
1.2.2 Determining the area of the building	1.2.2 Determining the area of the building	
1.2.2.1	1.2.2.1	
1.2.2.2	1.2.2.2	Revised as proposed in the consultation document, with additional post-consultation edits to improve clarity.
	1.2.2.3	New paragraph added as proposed in the consultation document to clarify how the area of mixed-use buildings is to be determined .
	1.2.3 Building Product Specifications	New subsection to introduce the Building Product Specifications
	1.2.3.1	New paragraph on the scope of the Building Product Specifications.
	1.2.3.2	New paragraph on the compliance pathway using the Building Product Specifications.
Part 2. Building thermal envelope	Part 2. Building thermal envelope	
2.1 Thermal resistance	2.1 Thermal resistance	
2.1.1 Demonstrating compliance	2.1.1 Overview	Revised heading name to align with other AS/VMs documents.
2.1.1.1	2.1.1.1	Revised as proposed in the consultation document, with additional post-consultation edits to improve clarity.
2.1.1.1 Comment	2.1.1.1 Comment	Comment box revised as proposed in the consultation document.
2.1.1.2	2.1.1.2	Revised as proposed in the consultation document, with additional minor post-consultation edits to improve clarity.
2.1.1.3		Paragraph deleted because of the removal of the schedule method.
2.1.1.4	2.1.1.3	
2.1.1.5	2.1.1.4	

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
2.1.2 Schedule method	<Subsection removed from document along with corresponding paragraphs>	Removed from document as proposed in the consultation document.
2.1.2.2a)	2.1.2.12	Relocated from the schedule method to Subsection 2.1.2, and revised as proposed in the consultation document, with further post-consultation edits to improve clarity.
Table 2.1.2.2A	Table 2.1.2.12	Relocated from the schedule method to Subsection 2.1.2. Table note (1) added. Table note (2) revised post-consultation to simplify the requirement.
2.1.3 Calculation method	2.1.2 Calculation method	
2.1.3.1	2.1.2.1	Revised as proposed in the consultation document.
	2.1.2.2	New paragraph added post-consultation to add flexibility.
	2.1.2.3	New paragraph added post-consultation to add flexibility.
	2.1.2.4	New paragraph added post-consultation to improve clarity.
2.1.3.2	2.1.2.5	Post-consultation revision to reflect a change in a defined term and to improve clarity.
2.1.3.3	2.1.2.6	Revised as proposed in the consultation document, with additional post-consultation revisions to improve clarity.
2.1.3.4	2.1.2.7	Revised as proposed in the consultation document, with additional post-consultation revisions to improve clarity.
Table 2.1.3.4A	Table 2.1.2.7	Table note (3) moved into Paragraph 2.1.2.7 to improve readability.
Table 2.1.3.4B	<Removed from the document>	Removed as proposed in the consultation document.
2.1.3.5	<Removed from the document>	Removed as proposed in the consultation document.
Equation 1	<Removed from the document>	Removed as proposed in the consultation document.

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
2.1.3.6	2.1.2.8	Minor post-consultation rewording to reflect changes in defined terms.
Equation 2	Equation 2.1	
2.1.3.7	2.1.2.9	
	2.1.2.10	New paragraph added for the calculation of the net roof area, thermal envelope floor area, and net wall area. This text was previously proposed in the consultation as amendments to the definitions of these terms and as a comment box, with additional revisions to improve clarity and remove an unnecessary citation of ISO 13789.
2.1.3.8	2.1.2.11	Revised as proposed in the consultation document.
2.1.3.9	2.1.2.13	
2.1.4 Determining the thermal resistance	2.1.3 Determining the thermal resistance	
2.1.4.1 2.1.4.3	2.1.3.1	Two original paragraphs combined and edited post-consultation to include buildings with earth walls and for improved clarity, incorporating changes that were proposed in the consultation document.
	2.1.3.2	New paragraph added to modify NZS 4214 as proposed in the consultation document, with additional post-consultation changes to improve clarity.
2.1.4.2	2.1.3.3	Revised to reference the Building Product Specifications.
2.1.4.4	2.1.3.4	
2.2 Airflow	2.2 Airflow	
2.2.1 Control of airflow	2.2.1 Control of airflow	
2.2.1.1	2.2.1.1	
2.3 Solar heat gains	2.3 Solar heat gains	
2.3.1 Control of solar heat gains	2.3.1 Control of solar heat gains	

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
2.3.1.1	2.3.1.1	
Part 3. Building services	Part 3. Building services	
3.1 Hot water systems	3.1 Hot water systems	
3.1.1 Hot water systems for sanitary fixtures and sanitary appliances	3.1.1 Hot water systems for sanitary fixtures and sanitary appliances	
3.1.1.1	3.1.1.1	
Appendix A. References		
	Reference entry for NZS 4299	Added to document post-consultation to include buildings with earth walls.
Reference entry for AS/NZS 4859.1	<Removed from document>	Removed from document as a consequence of referencing the Building Product Specifications.
Reference entry for ISO 13789	<Removed from document>	Removed from document post-consultation as relevant content has been included directly in the document.
Reference entry for ALF 4.0	<Removed from document>	Removed from document as proposed in the consultation document.
Reference entry for BRANZ House insulation guide 5 th edition	Reference entry for BRANZ House insulation guide 6 th edition	Revised as proposed in the consultation document, with post-consultation update to release date.
Reference entry for Temperature Normals for New Zealand 1961- 1990		Removed from document as proposed in the consultation document.
Copyright statement	Copyright statement	Changes to “licence” not included from consultation document as “license” is not the proper spelling for New Zealand English.
Appendix B. Definitions	Appendix B. Definitions	

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
Definition entries for: Approved temperature data Building consent Building Performance Index Heating degrees Heating degrees total Heating energy Heating month Insulated glazing unit (IGU) Network utility operator Persons Shading coefficient	<Removed from document>	Removed from document as these terms are not used in the document.
Definition entry for: Conditioned space	Definition entry for: Conditioned space	Revised as proposed in the consultation document.
Definition entries for: Curtain walling External wall Heated ceiling, wall, or floor Solar heat gain coefficient (SHGC) Thermal envelope	Definition entries for: Curtain walling External wall Heated ceiling, heated wall, heated floor Solar heat gain coefficient (SHGC) Thermal envelope	Partially revised post-consultation to improve clarity.
	Definition entries for: Foil insulation Wall framing fraction	New definitions added post-consultation to improve clarity.
Definition entries for: Thermal envelope floor area Total thermal resistance	Definition entries for: Thermal envelope floor area Total thermal resistance	Partially revised as proposed in the consultation document except that reference to ISO 13789 has not been included in the definition. Total thermal resistance revised to remove the standard reference from the definition.
Definition entries for: Roof area Wall area	Definition entries for: Net roof area Net wall area	Partially revised as proposed in the consultation document except that reference to ISO 13789 has not been included in the definition. Names of these defined terms changed post-consultation for improved clarity.
Definition entries for: Glazing area Total roof area Total wall area	Definition entries for: Wall glazing area Gross roof area Gross wall area	Names of these defined terms changed post-consultation for improved clarity.

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
Appendix C. New Zealand climate zones	Appendix C. New Zealand climate zones	
C.1 Climate zones	C.1 Climate zones	
C.1.1 Climate zone boundaries	C.1.1 Climate zone boundaries	
C.1.1.1	C.1.1.1	
C.1.1.2	C.1.1.2	
Table C.1.1.2	Table C.1.1.2	
Figure C.1.1.2	Figure C.1.1.2	
Appendix D. Orientation	<Removed from document>	Appendix deleted because of the removal of the schedule method.
Appendix E. Windows, doors, skylights, and curtain walling	Appendix D. Windows, doors, skylights, and curtain walling	
E.1 Vertical windows and doors	D.1 Vertical windows and doors	
E.1.1 Methods for determining construction R-values	D.1.1 Methods for determining construction R-values	
E.1.1.1	D.1.1.1	
Table E.1.1.1	Table D.1.1.1	Revised as proposed in the consultation document, with additional revisions to table header and table note to improve clarity.
E.1.1.2	D.1.1.2	Revised as proposed in the consultation document.
E1.1.2 Comment	D1.1.2 Comment	Comment 1 revised post-consultation to improve clarity.
E.2 Skylights	D.2 Skylights	
E.2.1 Construction R-values	D.2.1 Construction R-values	
E.2.1.1	D.2.1.1	
E.2.1.2	D.2.1.2	
Appendix F. Thermal resistance of slab-on-ground floors	Appendix E. Thermal resistance of slab-on-ground floors	
F.1 Construction R-values	E.1 Construction R-values	
F.1.1 Methods for determining construction R-values for slab-on-ground floors	E.1.1 Methods for determining construction R-values for slab-on-ground floors	
F.1.1.1	E.1.1.1	Minor post-consultation revision of E.1.1.1 b) to improve clarity.
F.1.2 Performance tables for slab-on-ground floors	E.1.2 Performance tables for slab-on-ground floors	

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
F.1.2.1	E.1.2.1	Comment box added post-consultation to make the document more user-friendly.
F.1.2.2	<Removed from document>	Paragraph deleted as the essence of its content is provided in Table E.1.2.1, and in the headings of tables E.1.2.1A-E.1.2.1X.
F.1.2.2 Comment	E.1.2.1 Comment	Comment 6 added post-consultation to improve the user-friendliness of the document.
F.1.2.3	E.1.2.2 Comment 2	Content moved into comment box post-consultation. It duplicates requirements of Paragraph E.1.2.2 but offers useful guidance.
F.1.2.4	E.1.2.2	Revised post-consultation to improve clarity, and reference to ISO 13789 removed.
	E.1.2.3	New paragraph added as proposed in the consultation document, with further post-consultation revision to the comment box.
	E1.2.4	New paragraph added post-consultation to enable the use of the slab performance tables for buildings with a mix of wall cladding types.
		New paragraph added post-consultation to enable the use of the slab performance tables for buildings with both incomplete slab-edge insulation, and a mix of wall cladding types.
Table F.1.2.1	Table E.1.2.1	
Table F.1.2.2A	Table E.1.2.2A	Table revised with additional values as proposed in the consultation document. Column headings and table notes 1 and 2 revised.

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Table F.1.2.2B	Table E.1.2.2B	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2C	Table E.1.2.2C	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2D	Table E.1.2.2D	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2E	Table E.1.2.2E	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2F	Table E.1.2.2F	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2G	Table E.1.2.2G	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2H	Table E.1.2.2H	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2I	Table E.1.2.2I	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2J	Table E.1.2.2J	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.

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Table F.1.2.2K	Table E.1.2.2K	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2L	Table E.1.2.2L	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2M	Table E.1.2.2M	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2N	Table E.1.2.2N	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2O	Table E.1.2.2O	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2P	Table E.1.2.2P	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2Q	Table E.1.2.2Q	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2R	Table E.1.2.2R	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2S	Table E.1.2.2S	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.

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H1/AS1 Fifth edition Reference	H1/AS1 Sixth edition Reference	Changes to H1/AS1 Sixth edition
Table F.1.2.2T	Table E.1.2.2T	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2U	Table E.1.2.2U	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2V	Table E.1.2.2V	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2W	Table E.1.2.2W	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.
Table F.1.2.2X	Table E.1.2.2X	Table revised with additional values as proposed in the consultation document. Column headings and table note 1 revised.

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