

Title	Install wall, ceiling, and underfloor insulation, and ground vapour barriers		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> • prepare for insulation installation, • install wall, ceiling, and underfloor insulation, and ground vapour barriers.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is intended to be assessed in the workplace. Evidence for the practical aspects of this unit standard must be gathered in the context of commercial business operations, under workplace conditions and should be verified by a person who has current expertise in the trade and has had the opportunity to regularly observe the candidate in the workplace.

2 Legislation and regulations relevant to this unit standard include:

- The Health and Safety at Work Act 2015
- Resource Management Act 1991
- Hazardous Substances and New Organisms Act 1996
- Consumer Guarantees Act 1993
- Building Act 2004
- New Zealand Building Code: Clause H1 Energy Efficiency.

New Zealand Standards relevant to this unit standard include:

- NZS 4246:2016 *Installing Insulation in Residential Buildings*
- NZS 3604:2011 *Timber framed buildings*
- NZS 4218:2009 *Energy Efficiently Housing and small buildings*
- NZS 4243:1996 *Energy Efficiency – Large Buildings Part: Building Thermal Envelope.*

Code of Practice relevant to this unit standard:

- NZECP 55:2016 *New Zealand Code of Practice for Managing Electrical Risks Associated with Electrically Conductive Thermal Insulation.*

Outcomes and performance criteria

Outcome 1

Prepare for insulation installation.

Performance criteria

- 1.1 Identify and arrange the requirements for the planned installation.
Range includes – materials, tools and equipment, time.
- 1.2 Communicate with clients, suppliers and others in the team to plan insulation installation.

Outcome 2

Install wall, ceiling, and underfloor insulation, and ground vapour barriers.

Range evidence is required of two installations for each of wall, ceiling, and underfloor insulation, and ground vapour barriers.

Performance criteria

- 2.1 Install insulation according to insulation plan, industry standards and legislative requirements.
- 2.2 Select and use personal protective equipment suitable for the installation job.
- 2.3 Select and safely use tools and equipment suitable for the installation job.
- 2.4 Identify hazards and ensure they are minimised or eliminated as appropriate.
- 2.5 Repair or remove damaged insulation.
- 2.6 Keep job site tidy during installation and clear waste, excess materials and debris from the worksite when insulation installation is completed.
- 2.7 Store and maintain tools according to operational requirements and manufacturers' specifications.
- 2.8 Demonstrate professional behaviour during insulation installation activities.
- 2.9 Complete documentation according to operational requirements.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 June 2021	N/A

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.