

Title	Interpret plans and specifications for insulation installation		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to interpret plans and specifications for insulation installation.
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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 Definition

Insulation plans are written information provided to employees or contractors covering job specific instruction that guide the installation of insulation, company policy, standard operating procedures and processes. These requirements may be documented in company or brand specifications, procedures, job specifications, work instructions, manufacturer's specifications, product quality specifications and legislative requirements

3 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.*

Codes 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

Interpret plans and specifications for insulation installation.

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

Performance criteria

1.1 Identify the location for the insulation to be installed.

1.2 Identify insulation materials needed from insulation plans and locate manufacturers' specifications for specified products.

Range includes – required products and ratings.

1.3 Confirm the insulation specified meets the requirements of the space to be insulated in terms of performance and industry standards.

Range luminary, R-values, ventilation, moisture ingress, and draught stopping.

1.4 Identify any areas where insulation plans do not meet legislative requirements and take appropriate action according to workplace policy and procedures.

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
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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.