

Insulation L3 Carry out insulation installation tasks under supervision

Kaupae Level	3
Whiwhinga Credit	
Whāinga Purpose	This skill standard recognises the skills required to carry out insulation installation tasks under supervision. This skill standard contributes to qualifications designed for carpentry.

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. The types and requirements of thermal insulation are identified.	a. Types, properties and characteristics of thermal insulation products are identified.
	b. Installation requirements and regulations of thermal insulation are identified and reflect manufacturer's specifications.
2. Carry out installation of thermal insulation under supervision.	a. Products and installation processes are confirmed as correct prior to installation.
	b. Installation is carried out and reflects plans, specifications and industry standards.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

To achieve this standard the candidate must be capable of carrying out insulation installation tasks for walls, floors, and ceilings, under supervision to industry standards.

Industry standards must reflect industry best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions and, demolition and project plans.

Under supervision refers to direction of work tasks being given by a qualified tradesperson.

This standard may be assessed in the workplace or a simulated work environment.

Evidence for this standard must be:

- to current and relevant Legislation, Standards, and Codes (including safety),
- in an environmentally sustainable manner,
- within an acceptable timeframe,
- with acceptable behaviours.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Insulation types and their applications

- Types of insulation: natural wool, mineral wool, cellulose, fiberglass, polyester, polystyrene, glazing, expanded polyurethane foam.
- Properties: R-value/performance, sound absorption, thermal zones, forms (roll, sheet, loose), flammability, sustainability, and environmental friendliness.

Insulation requirements for different building areas

- Applications of insulation in floors, walls, and ceilings.

Compliance with building codes and inspections

- Pre-line inspection.
- Legislation requirements for thermal performance and safety.

Planning and installing insulation

- Safety protocols, including personal protective equipment and handling precautions.
- Steps for measuring, cutting, and installing insulation materials to ensure compliance with standards.

Rauemi | ResourcesProgramme Guidance information available from qualifications@waihangaararau.nz.**Pārongo Whakaū Kounga** | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Carpentry
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	[dd mm yyyy]	N/A

Kōrero whakakapinga Replacement information	This skill standard replaces unit standards:
Rā arotake Planned review date	31 December 2029

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.

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