

**40788****Carry out insulation installation tasks**

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	2
<b>Whāinga   Purpose</b>	<p>This skill standard is for people intending to complete qualifications and credentials in the carpentry trades.</p> <p>People with this skill standard have the skills to carry out insulation installation tasks under limited supervision.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction trades.</p>

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

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Carry out insulation installation tasks.	a. Types, properties and characteristics of thermal insulation products are identified.
	b. Installation requirements and regulations of thermal insulation are interpreted and reflect manufacturer's specifications.
	c. Products and installation processes are confirmed against job specifications as correct prior to installation.
	d. Installation is carried out to meet plans and specifications.

**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 limited 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 limited supervision* refers to candidates carrying out the requirements of this skill standard with basic guidance and indirect supervision from a suitably skilled tradesperson. They are expected to source some information independently from plans, specifications, or relevant New Zealand Standards.

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

Evidence for this standard must be demonstrated:

- 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** | Resources

Programme Guidance information available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Planning and Construction > Construction Trades > Carpentry
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0120

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	28 August 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	This skill standard replaces unit standards 24401 and 32568.		
<b>Rā arotake  </b> Planned review date	31 December 2030		

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