

40784 Carry out concrete floor pre-pour construction tasks for residential foundations and slabs

Kaupae Level	3
Whiwhinga Credit	4
Whāinga Purpose	<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 concrete pre-pour floor construction 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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare to place concrete foundations and slabs.	a. Types, properties, and construction requirements of concrete foundations and slabs are identified from plans and specifications.
	b. Preparation for concrete foundations and slabs is carried out ensuring alignment with plans and specifications.
	c. Set-out requirements for concrete foundations and slabs are identified and carried out, ensuring alignment with plans and specifications.
	d. Excavation requirements for concrete footings, foundations, and slabs are identified and confirmed, ensuring compliance with job specifications and site conditions.
2. Construct formwork for concrete foundations and slabs.	a. Requirements for setting out and constructing formwork for concrete foundations and slabs are identified.
	b. Formwork for concrete foundations and slabs is constructed.

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

To achieve this standard the candidate must be capable of identifying and carrying out concrete floor pre-pour tasks for residential construction foundations and slabs 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, work, 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:

- 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**Materials used in concrete floors**

- Hardfill/basecourse, blinding, damp-proofing, formwork (including release agents), and reinforcing steel (bars, starter bars, mesh).
- Waffle slab components, pods.

Construction methods for foundations and slabs

- Basic methods, ring foundations, pod/waffle systems, slab on ground.

Formwork

- Sheathing, shutters, proprietary systems.

Damp-proof membranes

- Polythene sheets, taping, lapping joins.

Reinforcing

- Reinforcing materials and their roles in foundations and slabs.

Environmental considerations

- Preventing concrete run-off.

Concrete ratios and quantities

- Ratios for mixing concrete and methods for calculating quantities for slab or circular pile foundations.

Fresh concrete testing

- Slump and spread tests to ensure quality.

Rauemi | Resources

Programme 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	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 August 2025	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2030		

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.