

Concrete L3 Carry out concrete pre-pour floor construction tasks under supervision

Kaupae Level	3
Whiwhinga Credit	
Whāinga Purpose	<p>This skill standard recognises the skills required to carry out concrete pre-pour floor construction tasks under supervision.</p> <p>This skill standard contributes to qualifications designed for carpentry.</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Carry out preparation tasks for placing concrete foundations and slabs under supervision.	a. Types, properties, and construction requirements of concrete foundations and slabs are identified.
	b. Preparation for concrete foundations and slabs are carried out under supervision ensuring alignment with plans and specifications.
2. Carry out set out tasks for concrete foundations and slabs under supervision.	a. Set-out requirements for concrete foundations and slabs are identified and carried out, ensuring alignment with plans and specifications.
	b. Excavation requirements for concrete footings, foundations, and slabs are identified, ensuring compliance with job specifications and site conditions.
3. Carry out tasks to construct formwork under supervision.	a. Requirements for setting out and constructing formwork for concrete foundations and slabs are identified.
	b. Formwork for concrete foundations and slabs is constructed under supervision.

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 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 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

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 joints.

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	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.