

Concrete Place and finish concrete L4_2

Kaupae Level	4
Whiwhinga Credit	
Whāinga Purpose	<p>This skill standard recognises the skills required to place and finish concrete for minor concrete works.</p> <p>It contributes to the New Zealand Certificate in Carpentry (Level 4) with optional strand in Metal Roof Cladding Installation [Ref:2738].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Plan and carry out preparation for concrete placement.	a. Material and equipment requirements for concrete placement are organised ensuring alignment with job specifications and workplace practices.
	b. Site readiness and all preparations for concrete placement are checked and confirmed to meet job specifications.
2. Carry out concrete placement.	a. Concrete is placed and confirmed to meet industry standards and reflects plans and job specifications.
	b. Position and condition of reinforcement or other cast-in items are confirmed to be maintained throughout the concrete placing process.
3. Apply finishing techniques to concrete surfaces.	a. Concrete surface is finished according to job specifications and requirements.
	b. Appropriate finish is applied to concrete surfaces, considering function and curing requirements.

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

Assessment specifications:

To achieve this standard the candidate must be capable of placing and finishing concrete for minor concrete works under supervision to industry standards. industry standards.

Placement must be completed to at least a minor concrete work standard. This may include paths, footings, service slabs or pads, pile and post foundations, or similar-sized projects.

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, work, demolition and project plans.

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,
- in different and unfamiliar contexts,
- with acceptable behaviours.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Materials and ingredients of concrete

- Ingredients of fresh concrete, additives (e.g., accelerators, colour, fibre reinforcing).

Site preparation for placement

- Formwork setup, surface preparation, environmental protections for run-off.

Placement and finishing techniques

- Spreading, compacting, vibrating, levelling, screeding, floating, and finishing.
- Use of tools, power floats, generators, vibrators.

Sequence and timing

- Continuity of supply and proper sequencing for compaction and screeding.

Environmental considerations

- Managing concrete run-off and dealing with waste.

Surface treatments

- Use of surface retarders, mechanical and manual tooling, and protection methods during plastic and cured states.

Curing methods

- Techniques to prevent cracking, such as ponding, covering, and time treatments.

Advanced concrete testing

- Slump and spread tests, and ensuring compliance with project specifications.

Specialty components

- Installation of rebates, starters, nibs, and stitch joints.

Rauemi | Resources

Programme Guidance information available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | 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.