

40811 Place and finish concrete for minor concrete works

Kaupae Level	4
Whiwhinga Credit	5
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 place and finish concrete for minor concrete works.</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. Plan and carry out preparation for concrete placement.	a. Material and equipment requirements for concrete placement are determined from plans and specifications.
	b. Site preparations for concrete placement are checked and confirmed to meet plans and specifications.
2. Carry out concrete placement.	a. Concrete is placed and confirmed to meet plans and specifications.
	b. Position and condition of reinforcement or other cast-in items are checked and maintained throughout the concrete placing process.
	c. Concrete surface is finished according to plans and specifications.
	d. Curing processes are applied to finished concrete surfaces.

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 to industry standards.

Evidence of minor concrete work tasks must include one of paths, service slabs or pads and one of pile or post foundations, footing, 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 must be assessed in the workplace.

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,
- 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.
- Cutting joints to control shrinkage.

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	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.