

40781 Carry out minor concrete works placement

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 placement 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. Carry out minor concrete works placement.	a. Tools, equipment, and materials required for concrete placement are identified and selected.
	b. Site preparation tasks, including cleaning and layout verification, are completed to meet job requirements.
	c. Concrete is handled and placed using methods that reflect site requirements.
	d. Basic compaction methods are carried out to achieve a level finish to meet job requirements.
	e. Excess concrete and waste materials are removed from the site according to site procedures.
	f. Curing processes, including covering or watering, are initiated according to 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 placement of concrete for minor concrete works under limited supervision to industry standards.

Placement must be completed to industry standard for minor concrete works tasks. This may include paths, footings, service slabs or pads, pile and post foundations, or similar-sized projects carried out under limited supervision.

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.

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 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,
- with acceptable behaviours.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Tools, equipment, and materials:

- Tools and equipment required for concrete placement.
- Handling and storage of materials

Concrete compliance

- Building codes and standards relevant to concreting
- Concrete legislation requirements

Site preparation:

- Clearing and cleaning the site before concrete placement.
- Preparing and verifying the layout of the pour area including formwork, rebar placement, and checking for levelness.
- Checking weather conditions to ensure suitability for concrete pouring.

Concrete handling:

- Methods of transferring concrete from the mixer to the placement area.
- Pouring techniques to avoid segregation and ensure uniform distribution.

Compaction and levelling:

- Techniques for compacting concrete such as using vibrators or hand tools to eliminate air pockets.
- Levelling concrete with a screed or other levelling devices to ensure an even surface.

Safety practices:

- Adherence to safety guidelines including the use of personal protective equipment (PPE), handling of wet concrete, and managing site traffic during placement.
- Awareness of site hazards such as moving machinery or unstable surfaces, and following instructions to mitigate risks.

Waste removal and site cleanup:

- Removing excess concrete and waste materials from the site, ensuring that the area is clean and free from hazards.
- Safely disposing of waste concrete including following site-specific waste management procedures.

Tool and equipment maintenance:

- Cleaning tools and equipment immediately after use to prevent damage and ensure longevity.
- Reporting damaged or malfunctioning equipment to the supervisor for repair or replacement.

Curing:

- Implementing curing methods such as covering the concrete to retain moisture or applying curing compounds as per the supervisor's instructions.
- Monitoring and adjusting curing conditions to ensure concrete achieves proper strength.

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	This skill standard replaced unit standards 13010 and 13047.		
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.