

## Concrete L3\_2 Carry out concrete placement under supervision

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	3
<b>Whāinga   Purpose</b>	This skill standard recognises the skills required to carry out concrete placement under supervision. This skill standard contributes to qualifications designed for carpentry.

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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Identify preparation requirements for concrete placement under supervision.	a. Tools, equipment, and materials required for concrete placement are identified and selected according to supervisor's instructions.
	b. Site preparation tasks, including cleaning and layout verification, are completed to meet job requirements.
2. Carry out concrete placement tasks following instructions and safety guidelines.	a. Concrete is handled and placed using methods that reflect supervisor's instructions and site requirements.
	b. Basic compaction methods are carried out to achieve a level finish to meet job requirements.
3. Carry out post-placement tasks under supervision.	a. Excess concrete and waste materials are removed from the site according to supervisor's instructions and site procedures.
	b. Curing processes, including covering or watering, are initiated as directed by the supervisor.

### 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 supervision to 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.

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**

Tools, equipment, and materials:

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

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@waihangaarau.nz](mailto:qualifications@waihangaarau.nz).

**Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Planning and Construction > Construction Trades > Carpentry
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0048

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitanga   Registration</b>	1	[dd mm yyyy]	N/A
<b>Kōrero whakakapinga   Replacement information</b>	This skill standard replaces unit standards:		
<b>Rā arotake   Planned review date</b>	31 December 2029		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaarau.nz](mailto:qualifications@waihangaarau.nz) to suggest changes to the content of this skill standard.