

Place & Finish 2

Complete placing and finishing of moderate complexity for concrete structures

Kaupae Level	4
Whiwhinga Credit	10
Whāinga Purpose	This skill standard is for people working in or entering the construction trades. People credited with this skill standard have the skills to complete placing and finishing of moderate complexity for concrete structures. This skill standard aligns with the New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4) [Ref XXXX] and may also contribute to other construction and infrastructure qualifications.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Confirm readiness for concrete placement for structures.	a. Formwork, reinforcement, and cast-in items are confirmed ready for placement to plans and specifications.
	b. Equipment, crew, and environmental controls are confirmed as suitable for the site conditions, work to be completed, and to meet industry standards.
	c. Supplied concrete is confirmed to meet the ordered slump and specified strength requirements in line with plans and specifications.
	d. Pour sequence, size, and access are confirmed in line with plans and specifications, and site conditions.
2. Place, finish, and cure concrete for structures.	a. Concrete is placed and compacted using methods suited to the structure and pour conditions.
	b. Surface finishes are completed to the required texture or appearance.
	c. Curing is applied to achieve the required concrete strength and durability in accordance with plans, specifications and industry standards.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
	d. Concrete surface quality is checked, and any minor issues are remediated to industry standards.

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

Assessment specifications:

To achieve this standard, the candidate must be able to complete placing and finishing of moderate complexity for concrete structures in line with industry standards.

Concrete structures may include slabs, walls, columns, beams, or other structural concrete elements.

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 demolition and project plans.

Moderate complexity refers to placing and finishing work that involves a range of concrete structures, site conditions, and finishing requirements. Work may include pours with varying sizes or shapes, stepped or sloped surfaces, formed or vertical elements or specialised finishes where there are factors such as access limitations, changing environmental conditions, coordination with multiple trades or minor remedial work on surface defects are required.

Minor issues refer to surface imperfections that do not affect the structural integrity of the concrete. These may include honeycombing, blowholes, laitance or uneven texture that can be corrected using approved patching or finishing methods in accordance with industry standards.

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

Planning and site preparation

- Plans and specifications
- Formwork, reinforcement, and cast-in items
- Access, placement sequence, and delivery zones
- Equipment and workforce readiness
- Environmental controls and weather considerations

Concrete supply and verification

- Concrete mix design and specification compliance
- Slump and delivery checks
- Communication with supplier and site team

Placement and compaction

- Placement methods (barrows, chutes, pumps, buckets)
- Vibration and compaction techniques
- Flow and movement control
- Safety around pumps and placing equipment

Finishing and surface quality

- Finishing tools and equipment (hand or mechanical)
- Flatness, texture and appearance requirements
- Edge, joint and penetration finishing
- Surface quality inspection and reporting

Curing and protection

- Curing systems (membrane, water, accelerated)
- Protection from wind, heat, and contamination
- Curing duration and verification

Industry standards

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	Concrete > Concrete Construction
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	dd mm 2025	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	[dd mm yyyy]		

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.