

Title	Demonstrate knowledge of fresh concrete for concrete placing and finishing		
Level	3	Credits	2

Purpose	<p>This unit standard is intended for those working in the concrete construction industry.</p> <p>People credited with this standard are able to demonstrate knowledge of fresh concrete for concrete placing and finishing to commercial standards.</p>
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Classification	Concrete > Concrete Construction
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Concrete Construction Skills Specifications* and the *New Zealand Certificate in Concrete Construction Skills (Level 3)* [Ref: 4189].

Evidence for this standard must reflect commercial standards.

Commercial standards refer to verbal and written information covering company policy, standard operating procedures and processes, and job-specific instructions.

Working to commercial standards refers to the ability to consistently:

- perform standard processes to current industry standards, on demand and within a commercially acceptable timeframe;
- perform non-standard processes to current industry standards, on demand and within a commercially acceptable timeframe, under the supervision of a commercially competent practitioner.

Working to commercial standards must be confirmed by a person with current expertise in concrete placing and finishing.

2 Definition

Workplace procedures refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace.

3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements.

New Zealand Certificate in Concrete Construction Skills – Specifications, BCITO, May 2021, accessed at www.bcito.org.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

Standards accessed at www.standards.govt.nz

- NZS 3101.1&2:2006 *Concrete structures*
- NZS 3109:1997 *Concrete construction*
- NZS 3124:1987 *Specification for concrete construction for minor works*
- NZS 3114:1987 *Specification for concrete surface finishes*.

Skill specification and performance level guidance

Skill specification

Demonstrate knowledge of fresh concrete for concrete placing and finishing.

Knowledge

The common ingredients and composition of fresh concrete.

Range includes – aggregate, cement, water, and additives that modify the properties, workability or appearance of concrete.

The physical characteristics of fresh concrete.

Range includes – colour, presence of additives, aggregate size and type, and water content.

The process for reviewing concrete supplied against concrete specified.

The testing processes for fresh concrete on-site.

Range includes – prior to and during placing.

Performance level guidance

Performance must reflect current regulatory, industry and commercial standards relevant to concrete placing and finishing.

Knowledge of testing processes for concrete on-site must be according to workplace procedures.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 October 2021	N/A

Consent and Moderation Requirements (CMR) reference	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.