

Title	Demonstrate knowledge of plant and equipment used in a concrete production plant		
Level	4	Credits	4

Purpose	<p>This unit standard is intended for people working in the concrete production industry.</p> <p>People credited with this standard are able to demonstrate knowledge of plant and equipment used in a concrete production plant to the level of performance required of a commercially competent concrete production operator.</p>
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Classification	Concrete > Concrete Production
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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 Production – Specifications* and the *New Zealand Certificate in Concrete Production (Level 4)* [Ref: 4187].

Evidence for this standard must reflect commercial competence.

Commercial competence refers to the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Commercial competence must be confirmed by a person with current expertise in concrete production.

2 Definitions

The *Plant Audit Scheme* refers to the requirements of the Concrete NZ Readymix Sector Group independent audit scheme for readymix concrete plants.

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 Production – Specifications, BCITO, October, 2020, available from www.bcito.org.nz.

Legislation accessed at www.legislation.govt.nz

- Hazardous Substances and New Organisms Act 1996
- Health and Safety at Work Act 2015
- Land Transport Act 1998.

Standards accessed at www.standards.govt.nz

- NZS 3104:2003 *Specification for concrete production*.

The *Plant Audit Scheme* available from www.concretenz.org.nz.

Skill specification and performance level guidance

Skill specification

Demonstrate knowledge of plant and equipment used in a concrete production plant.

Knowledge

The purpose and function of different types of plant and equipment used in concrete production plants.

Range plant – live storage, central mix, with combinations of overhead bins or loader fed bins;
equipment – includes items for batching, testing, dispatching.

The different methods used, and associated compliance requirements for the transport and supply of materials to and from the concrete production plant.

Range trucks, loaders, forklifts, conveyers.

Plant and equipment operating tolerances and compliance requirements, and how to make adjustments to maintain these.

The care and maintenance requirements for different items of plant and equipment used for concrete production.

Performance level guidance

Performance must reflect the plant audit scheme requirements, NZS 3104, and 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	24 June 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.