

<b>Title</b>	<b>Demonstrate knowledge of materials used in conjunction with concrete</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	<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 materials used in conjunction with concrete to commercial standards.</p>
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<b>Classification</b>	Concrete > Concrete Construction
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<b>Available grade</b>	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 construction.

### 2 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, available from [www.bcito.org.nz](http://www.bcito.org.nz).

Legislation accessed at [www.legislation.govt.nz](http://www.legislation.govt.nz)

- The New Zealand Building Code
- 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](http://www.standards.govt.nz)

- NZS 3101 1&2:2006 *Concrete structures*
- NZS 3109:1997 *Concrete construction*
- NZS 3114:1987 *Specification for concrete surface finishes.*

## Skill specification and performance level guidance

### Skill specification

Demonstrate knowledge of materials used in conjunction with concrete.

### Knowledge

The types and purpose of materials used to prepare a base for concrete flatwork.

Range includes – damp proof membranes (emulsion, polythene sheet and self-adhesive), base course, and blinding.

The types and purpose of liquid applications used when placing and finishing concrete.

Range includes – retarders, release agents, sealers, and cleaning agents.

### Performance level guidance

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

<b>Planned review date</b>	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

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

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**Comments on this unit standard**

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