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| Title | Perform quality checks for concrete product manufacture | | |
| Level | 3 | Credits | 6 |

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| Purpose | People credited with this unit standard are able to, for concrete product manufacture: demonstrate knowledge of quality checking; carry out in-process quality checks; and carry out final product quality checks. |
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| Classification | Concrete > Concrete Product Manufacture |
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| Available grade | Achieved |
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Guidance Information

- 1 Definition
Workplace practice refers to the documented procedures specific to a workplace which set out the standard and required practices of that workplace.
- 2 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the productivity, uniformity, finish quality, and material economies currently accepted within industry.
- 3 Legislation and publications relevant to this unit standard include:
Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;
Resource Management Act 1991;
NZS 3104:2003 *Specification for concrete production*; NZS 3112.1:1986 *Methods of test for concrete – Tests relating to fresh concrete*; and NZS 3112.2:1986 *Methods of test for concrete – Tests relating to the determination of strength for concrete*, available from Standards New Zealand (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of quality checking for concrete product manufacture.

Performance criteria

- 1.1 Process for identifying quality checking requirements is described for own workplace.

1.2 Requirements for quality checking are identified and described in accordance with workplace practice.

Range in-process checks and final product checks, description to include – frequency, criteria for acceptance, grading, actions to be taken in the event of non-compliance, documentation.

Outcome 2

Carry out in-process quality checks for concrete product manufacture.

Performance criteria

- 2.1 Visual and physical inspections are performed at the required frequency and against the required criteria in accordance with job specifications and workplace practice.
- 2.2 Any required samples are selected for testing in accordance with NZS 3112 and workplace practice.
- 2.3 Product is graded if required in accordance with workplace practice.
- 2.4 Actions taken in the event of non-compliance are in accordance with workplace practice.
- 2.5 Documentation related to quality checking is completed in accordance with workplace practice.

Outcome 3

Carry out final product quality checks for concrete product manufacture.

Performance criteria

- 3.1 Visual and physical inspections are performed at the required frequency and against the required criteria in accordance with job specifications and workplace practice.
- 3.2 Any required samples are selected for testing in accordance with NZS 3112.2 and workplace practice.
- 3.3 Any required grading of product is performed in accordance with workplace practice.
- 3.4 Lifting system installation, special inserts and remedial work are checked to ensure that finishing requirements are met.
- 3.5 Actions taken in the event of non-compliance are in accordance with workplace practice.
- 3.6 Documentation related to quality checking is completed in accordance with workplace practice.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1 | 20 November 2009 | 31 December 2023 |
| Review | 2 | 28 October 2021 | 31 December 2023 |

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.