

Title	Demonstrate knowledge of receiving, storing, maintaining and moving materials for concrete product manufacture		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to, for concrete product manufacture: demonstrate knowledge of receiving, storing, and maintaining materials; and describe movement of materials into production.
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Classification	Concrete > Concrete Product Manufacture
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Available grade	Achieved
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Guidance Information

- 1 Definitions
Materials include any raw or processed materials that are used in concrete product manufacture.
Workplace acceptance standards refer to documented standards that set out acceptable quality standards for that workplace, and may include any relevant New Zealand Standards.
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 that reflects the 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;
 Hazardous Substances and New Organisms Act 1996;
 Safety Data Sheets.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of receiving and storing materials for concrete product manufacture.

Performance criteria

- 1.1 Receiving and checking of materials for compliance with workplace acceptance standards is described, including actions to be taken in the event of non-compliance.
- 1.2 Storage/stockpiling of materials is described in accordance with workplace practice.
- 1.3 Documentation for inwards goods is described in accordance with workplace practice.
- 1.4 Actions taken to minimise production downtime when ordered material supply is disrupted or fails are described in accordance with workplace practice.

Outcome 2

Demonstrate knowledge of maintaining materials for concrete product manufacture.

Performance criteria

- 2.1 Monitoring of storage areas for overfilling or running out is described, including measurement and recording of quantities in accordance with workplace practice.
- 2.2 Practices that limit stockpile segregation and contamination are described in accordance with workplace practice.

Range shaping of stockpiles, use of hoppers or dividing walls, maintenance of yard areas.
- 2.3 Stocktaking of materials in storage is described in accordance with workplace practice.

Outcome 3

Describe movement of materials into production for concrete product manufacture.

Performance criteria

- 3.1 Description includes methods of moving raw materials from storage/stockpiles to production, and operation of mechanical plant and equipment for this purpose.
- 3.2 Description includes details of methods available to minimise disruption of material supply to production in the event of plant or equipment malfunction or breakdown.
- 3.3 Description includes the effects of spillage and contamination, how these are monitored, and actions to be taken in the event of occurrence.

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>.