

Title	Produce precast concrete pipes		
Level	3	Credits	40

Purpose	People credited with this unit standard are able to: prepare to produce, and produce, precast concrete pipes; and complete work operations.
----------------	---

Classification	Concrete > Concrete Product Manufacture
-----------------------	---

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Definitions
Specifications refer to documented specifications and may include any of the following: drawings, project or job requirements, manufacturers' specifications, recommendations or instructions, material specifications.
Workplace practice refers to the documented procedures specific to a workplace which set out the standard and required practices of that workplace.
- 2 Evidence for this unit standard must comply 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; AS/NZS 4058:2007 *Precast concrete pipes (pressure and non-pressure)*, available from Standards New Zealand (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Prepare to produce precast concrete pipes.

Performance criteria

- 1.1 Job requirements are determined from specifications.
- 1.2 Mould is checked and confirmed as ready to start in accordance with specifications.

 Range reinforcing, cover, clearance.

- 1.3 Mould is moved to manufacturing area without damage and checked to ensure safety during manufacturing.

Outcome 2

Produce precast concrete pipes.

Performance criteria

- 2.1 Mould is filled with concrete to the specified level, in accordance with specifications and workplace practice.
- 2.2 Concrete is compacted within mould in accordance with workplace practice.
- 2.3 Production process is monitored to ensure product conforms to specifications, and any required actions to maintain tolerances are taken, in accordance with workplace practice.
- 2.4 Any required trowelling of product surface is performed in accordance with workplace practice.
- 2.5 Pipe is checked and any processing faults are identified and rectified in accordance with workplace practice.
- 2.6 Pipe is prepared for curing in accordance with workplace practice.

Outcome 3

Complete work operations.

Performance criteria

- 3.1 All operations are safely completed, workplace and equipment are cleaned in accordance with workplace practice and environmental safety requirements, and routine maintenance is carried out in accordance with workplace practice.
- 3.2 All documentation 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	18 March 2011	31 December 2024
Review	2	24 November 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference

0048

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