

<b>Title</b>	<b>Produce precast concrete pipes</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>40</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to produce, and produce, precast concrete pipes; and complete work operations.
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<b>Classification</b>	Concrete > Concrete Product Manufacture
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<b>Available grade</b>	Achieved
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### Guidance Information

- 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.
- 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.
- 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

- Job requirements are determined from specifications.
- 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>.