

<b>Title</b>	<b>Produce pre-cast extruded concrete</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to: produce and finish extruded product; clean and maintain extrusion machinery; and complete work operations.
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<b>Classification</b>	Construction Trades > Concrete Production
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<b>Available grade</b>	Achieved
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### Guidance Information

- Reference material relevant to this unit standard includes: New Zealand Standard NZS 3109:1997 *Concrete construction*, available from Standards New Zealand (<http://www.standards.co.nz>).
- Assessment against this unit standard must be undertaken on site. *On site* refers to a wide range of building and construction environments within which trade skills are required, and includes concrete production and concrete construction sites.

### Outcomes and performance criteria

#### Outcome 1

Produce and finish extruded product.

#### Performance criteria

- Extrusion machine is checked to ensure it is set up in accordance with manufacturer's specifications or workplace practice, and job specifications.  
Range routine settings, dimensionally accurate.
- Extrusion machine is operated in accordance with manufacturer's specifications, workplace practice, and job specifications.
- Marking out is completed in accordance with job specifications.  
Range marking out tasks include – holes, cut outs, concrete cutting on bed, off bed.
- Extruded products are finished in accordance with workplace practice and job specifications.

- 1.5 Release strength tests are performed in accordance with job specifications.
- 1.6 After release, product is cut and removed from bed in accordance with product specifications.
- Range cut on bed, and lift off bed.

## Outcome 2

Clean and maintain extrusion machinery.

### Performance criteria

- 2.1 Extrusion machinery is cleaned in accordance with manufacturer's specifications or workplace practice.
- 2.2 Routine maintenance is carried out on extruder in accordance with manufacturer's specifications.
- Range routine maintenance includes – fix and remove side and top plates, and adjust.

## Outcome 3

Complete work operations.

### Performance criteria

- 3.1 All operations are carried out with hazard control procedures in place for identified hazards in accordance with manufacturer's recommendations, site safety plan and Health and Safety in Employment Act, 1992.
- 3.2 Documentation is completed and processed 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	21 May 1999	31 December 2023
Revision	2	12 February 2003	31 December 2023
Review	3	26 July 2004	31 December 2023
Review	4	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>.