

<b>Title</b>	<b>Coordinate the handling, storage, dispatch and loading of precast concrete units</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to: coordinate the handling of precast concrete units; coordinate the storage of precast concrete units; process orders for delivery of precast concrete units and arrange dispatch; coordinate the loading of precast concrete units; and complete work operations.
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<b>Classification</b>	Concrete > Precast Concrete
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<b>Available grade</b>	Achieved
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## Guidance Information

- Definitions  
*Specifications* refer to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.  
*Workplace practice* refers to the documented procedures specific to a workplace which set out the standard and required practices of that workplace.
- 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.
- 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.
- Legislation and publications relevant to this unit standard include:  
 Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; Land Transport Act 1998;  
 NZS 3109:1997 *Concrete construction*, available from Standards New Zealand (<http://www.standards.co.nz>).

## Outcomes and performance criteria

### Outcome 1

Coordinate the handling of precast concrete units.

**Performance criteria**

- 1.1 Units are checked to ensure they are labelled or marked for identification in accordance with workplace practice.
- 1.2 Units are checked to ensure that lifting inserts are in accordance with precast concrete job specifications and workplace practice.
- Range bolt holes, lifting eyes, welded plates.
- 1.3 Handling of units is coordinated in accordance with workplace practice and Health and Safety in Employment Act 1992.
- Range lifting equipment, five of – brace, lifting beams, chain angles, hooks, straps, crane, forklift, dunnage points, spreader beams.
- 1.4 Unit movement requirements are identified and plans made for their efficient implementation in accordance with workplace practice.
- 1.5 Movements are coordinated in accordance with identified requirements and movement plan.
- 1.6 Production continuity is maintained between manufacturing areas in accordance with workplace practice.

**Outcome 2**

Coordinate the storage of precast concrete units.

**Performance criteria**

- 2.1 Storage of units is coordinated in accordance with workplace practice, ensuring protection from damage, deterioration, and contamination.
- Range factors to consider – accumulation of trapped water, efflorescence, stain or damage, rust deposits, chafing and disfiguring, mishandling, no ground contact, access, containment, use of supports (dunnage/chocking), packaging, warping, twisting, sagging, deterioration prevention.
- 2.2 Units are sited in accordance with workplace practice for space utilisation and ease of retrieval.
- 2.3 Units are stored to reduce risk of injury in accordance with workplace practice.

**Outcome 3**

Process orders for the delivery of precast concrete units, and arrange dispatch.

**Performance criteria**

- 3.1 Orders processed for delivery of units are in accordance with client requirements and workplace practice.
- 3.2 Dispatch is arranged in accordance with order specifications.

**Outcome 4**

Coordinate the loading of precast concrete units.

**Performance criteria**

- 4.1 Loading of units is coordinated in accordance with workplace practice.
- Range two of – panels, beams, columns, poles, flooring, sleepers, tanks, lids, pipes, manholes.
- 4.2 Data recorded on delivery docket complies with order details and is in accordance with workplace practice.

**Outcome 5**

Complete work operations.

**Performance criteria**

- 5.1 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.
- 5.2 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	21 May 1999	31 December 2023
Revision	2	12 February 2003	31 December 2023
Review	3	26 July 2004	31 December 2023
Review	4	20 November 2009	31 December 2023
Review	5	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>.