

Title	Pre-tension pre-cast concrete		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to: set up for stressing; apply stressing force to strands; release stressing force; and complete work operations.
----------------	---

Classification	Construction Trades > Concrete Construction
-----------------------	---

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

Explanatory notes

- 1 Legislation relevant to this unit standard includes: Health and Safety in Employment Act, 1992.
- 2 Reference material relevant to this unit standard includes: New Zealand Standard (NZS), NZS 3109:1997 Concrete construction.
New Zealand Standards are available from Standards New Zealand, Wellington.
- 3 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 evidence requirements

Outcome 1

Set up for stressing.

Evidence requirements

- 1.1 Materials and equipment are selected and prepared for stressing in accordance with workplace practice and NZS 3109.

Range materials and equipment - barrels, wedges, hydraulic jacks, strands.

Outcome 2

Apply stressing force to strands.

Evidence requirements

2.1 Stress force is applied to strands in accordance with workplace practice, NZS 3109, and job specification.

Range factors to consider include - operation of hydraulic jacks, measurement of extension, reading pressure, checking wedges, checking for slip.

Outcome 3

Release stressing force.

Evidence requirements

3.1 The specified minimum concrete strength at transfer is achieved prior to release of tendons.

3.2 Method used to release stress is in accordance with workplace practice, NZS 3109, and job specification.

Outcome 4

Complete work operations.

Evidence requirements

4.1 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.

4.2 Documentation is completed and processed in accordance with workplace practice.

Replacement information	This unit standard has been replaced by unit standard 26526, unit standard 26527, and unit standard 26528.
--------------------------------	--

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 2012
Revision	2	12 February 2003	31 December 2012
Review	3	26 July 2004	31 December 2012
Review	4	20 August 2010	31 December 2012

Accreditation and Moderation Action Plan (AMAP) reference

0048

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.