

<b>Title</b>	<b>Fill masonry using grout</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: set up bricklaying work area; place grout in cavities with solid or intermittent fill; and complete work operations.
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<b>Classification</b>	Masonry > Brick and Block Laying
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard must be assessed against on the basis of evidence of demonstrated performance in the workplace and/or situations that reflect the workplace environment.
- 2 Definitions
 

*Industry practice* refers to the expected standard required at the location in which credit for this standard is sought; such standards may be set down in: industry codes of practice, enterprise procedures, which refer to documented procedures specific to the enterprise which set out the standard business practice, and activities of that enterprise.

*Site safety plan* refers to the documented safety plan which is required by law to ensure compliance with the Health and Safety in Employment Act, 1992.

*Specifications* refer to any, or all of the following:  
 manufacturer's specifications and/or recommendations;  
 site and/or workplace specific requirements.

*Plant* refers to appliances, equipment, fittings, furniture, implements, machines, machinery, tools, vehicles, plus parts, controls, and anything connected to such plant.
- 3 New Zealand Standards, code of practice and legislation relevant to this unit standard include the following:
  - NZS 4210:2001, *Masonry Construction: Materials and Workmanship*;
  - NZS 3604:1999, *Timber Framed Buildings*;
  - NZS 4229:1999, *Concrete masonry buildings not requiring specific engineering design*;
  - NZS 3112.1:1986, *Methods of test for concrete – Tests relating to fresh concrete*;
  - Health and Safety in Employment Act, 1992;
  - Best Practice Guideline for Scaffolding*, 2003 Department of Labour available from <http://www.osh.dol.govt.nz/order/catalogue/scaffolding.shtml>.
  - Resource Management Act, 1991.

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## Outcomes and performance criteria

### Outcome 1

Set up bricklaying work area.

#### Performance criteria

- 1.1 Area where wall is to be erected is confirmed as being in accordance with the project plans and specifications.
- 1.2 Actions taken in the event that site is unsuitable for erection of wall are in accordance with industry practice and delegated authority.
- 1.3 Plant and materials are located in accordance with work flow.  
  
Range may include but is not limited to – accessibility, services, protection against weather.
- 1.4 Materials used are in accordance with the specifications.
- 1.5 Work of other trades is protected prior to commencement of work and during work in accordance with industry practice.

### Outcome 2

Place grout.

Range pump, manual.

#### Performance criteria

- 2.1 Pouring method is determined in accordance with the specifications.
- 2.2 Hose is laid out to ensure ease of handling.
- 2.3 Flow of grout is controlled to prevent blowout.
- 2.4 Cavities are filled in accordance with specifications.  
  
Range solid, intermittent.
- 2.5 Grout is vibrated and/or compacted in accordance with the specifications.
- 2.6 Job is left in clean and tidy condition in accordance with industry practice.

### Outcome 3

Complete work operations.

**Performance criteria**

- 3.1 All operations are completed without damage to project, plant, staff or materials.
- 3.2 All activities comply with safety requirements set down in the site safety plan.
- 3.3 All plant is used, maintained, cleaned, and stored and work site left as specified in accordance with manufacturers, and/or legislative requirements.
- 3.4 All documentation is completed in accordance with industry practice.
- 3.5 Surplus materials are dealt with in accordance with industry practice and legislative requirements.

**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	16 January 1997	31 December 2011
Revision	2	8 April 1999	31 December 2011
Review	3	21 September 2007	31 December 2011
Revision	4	21 July 2011	31 December 2024
Review	5	30 June 2022	31 December 2024

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.