

<b>Title</b>	<b>Place and finish stencilled concrete for concrete construction on site</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of conditions that affect placing and finishing of stencilled concrete; place concrete for stencilled concrete construction on site; apply stencil, colour and finish concrete on site; and complete work operations on site.
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<b>Classification</b>	Concrete > Concrete Construction
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definitions  
*Specifications* refers 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.
- 2 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.
- 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.
- 4 Legislation and publications relevant to this unit standard include: Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; Resource Management Act 1991; NZS 3109:1997 *Concrete construction* and NZS 3114:1987 *Specification for concrete surface finishes*, available from Standards New Zealand (<http://www.standards.co.nz>).
- 5 Recommended: Unit 26048, *Place and finish concrete for concrete construction on site*, or demonstrate equivalent knowledge and skills.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of conditions that affect placing and finishing of stencilled concrete.

#### Performance criteria

- 1.1 The effects of ambient weather and site conditions on stencilled concrete are identified and described in terms of actions required to mitigate them.
- Range heat, wind, cold, wet, sub-base conditions.
- 1.2 The effects of additives and admixtures on stencilled concrete in a plastic state are identified and described with consideration for their impact on bleeding, timing and any seasonal effects on the concrete.
- Range blended cements, admixtures, additives, colourants.

### Outcome 2

Place concrete for stencilled concrete construction on site.

#### Performance criteria

- 2.1 Concrete is placed in accordance with job specifications.
- Range factors to be checked – colour consistency, segregation, layers, free forming, screeding, concrete strength, slump, continuity of supply, placement of shrinkage control joints, weather conditions.

### Outcome 3

Apply stencil, colour and finish concrete.

#### Performance criteria

- 3.1 Surface is trowelled in accordance with the requirements for placing stencil.
- 3.2 Stencil paper is selected and placed on concrete surface to desired pattern in accordance with job requirements.
- 3.3 Stencil is rolled in to concrete surface in accordance with job requirements and manufacturer's recommendations.
- 3.4 Colour is selected and applied in accordance with job requirements or an agreed sample by visual inspection and manufacturer's specifications.

3.5 Surfaces are trowelled or texture applied in accordance with the required specifications of the stencil pattern.

Range brick, tile.

3.6 Stencilled surfaces are left for the required time period and stencil paper removed and disposed of in accordance with manufacturer's recommendations.

3.7 Surfaces are finished in accordance with job requirements and manufacturer's specifications.

3.8 Surfaces are sealed in accordance with manufacturer's specifications.

#### Outcome 4

Complete work operations on site.

#### Performance criteria

4.1 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.

**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	30 July 2001	31 December 2023
Revision	2	16 July 2004	31 December 2023
Rollover and Revision	3	25 January 2008	31 December 2023
Review	4	16 April 2010	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>.