

<b>Title</b>	<b>Fix battens for concrete or clay roof tiles</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is for people carrying out concrete roof tile installation and covers batten fixing in preparation for concrete and clay roof tile installation.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– calculate and establish the set out for concrete and clay roof tiles on a given roof;</li> <li>– load tile battens for concrete or clay roof tiles onto roof;</li> <li>– cut and fit battens for concrete or clay roof tiles; and</li> <li>– fix concrete or clay roof tile battens in accordance with manufacturers' instructions.</li> </ul>
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<b>Classification</b>	Plumbing, Gasfitting and Drainlaying > Roofing
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job and off-job.
- 2 References
 

Construction Contracts Act 2002;  
 Historic Places Act 1993;  
 Local Government Act 2002;  
 Building Act 2004 and associated regulations;  
 Health and Safety at Work Act 2015;  
 Resource Management Act 1991;  
 Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E2 External Moisture;  
 Licensed Building Practitioner Scheme – Understanding the Regulatory Environment Booklet – available at: <http://www.business.govt.nz/lbp/the-board/getting-licensed/applying-for-licensing>;  
 NZS 3604:2011 Timber-framed buildings;  
 NZS 3902:2004 Housing, alterations and small buildings contract;  
 NZS 4121:2001, Design for access and mobility: Buildings and associated facilities;  
 New Zealand Building Code Hand Book – available at: <http://www.building.govt.nz/building-code-compliance/building-code-and-handbooks/building-code-handbook>;  
 and all subsequent amendments and replacements.
- 3 This unit standard applies to both new roof and re-roofing installations.

#### 4 Range

- a Candidates must refer to current legislation and Standards during assessment.
- b Demonstration of safe working practices are essential components of assessment of this unit standard.
- c All activities and evidence presented for all outcomes and performance criteria in this unit standard must be in accordance with:
  - i legislation;
  - ii policies and procedures;
  - iii ethical codes;
  - iv Standards – may include but are not limited to those cited in the New Zealand Building Code Hand Book;
  - v applicable site, enterprise, and industry practice; and,
  - vi manufacturers' instructions, specifications, and data sheets.

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### Outcomes and performance criteria

#### Outcome 1

Calculate and establish the set out for concrete and clay roof tiles on a given roof.

##### Performance criteria

- 1.1 Perform set out calculations in accordance with manufacturer's recommendations for the type of tile specified.
- 1.2 Establish set out on roof framing to ensure that the finished roof complies with NZS 4206:1992 and the tile manufacturer's instructions.

#### Outcome 2

Load tile battens for concrete or clay roof tiles onto roof.

##### Performance criteria

- 2.1 Carry out batten stacking and loading to ensure that the building structure and the installed finishes are maintained in good condition.
- 2.2 Ensure that the layout of battens conforms to the requirements of NZS 4206:1992.

#### Outcome 3

Cut and fit battens for concrete or clay roof tiles.

##### Performance criteria

- 3.1 Cut and fit batten joints and terminations.
- 3.2 Remove surplus material.

**Outcome 4**

Fix concrete or clay roof tile battens in accordance with manufacturers' instructions.

**Performance criteria**

- 4.1 Fit underlay where required.
- 4.2 Fix battens.
- 4.3 Remove surplus material and leave roof and site in a tidy and safe condition that allows any further work to be carried out safely.

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<b>Planned review date</b>	31 December 2023
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	24 April 1997	31 December 2020
Review	2	28 April 1997	31 December 2020
Review	3	27 October 2006	31 December 2020
Rollover and Revision	4	22 August 2008	31 December 2020
Review	5	16 March 2017	N/A
Rollover	6	25 August 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the Waihangara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaraarau.nz](mailto:qualifications@waihangaraarau.nz) if you wish to suggest changes to the content of this unit standard.