

<b>Title</b>	<b>Demonstrate knowledge of lead and specialist flashings for concrete or clay roof tiles</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is for people carrying out concrete or clay roof work and covers knowledge of lead and specialist flashings for concrete or clay roof tiles.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>- demonstrate knowledge of lead flashing types and installation on concrete roof tiles; and</li> <li>- demonstrate knowledge of specialist flashings and their installation on concrete roof tiles.</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;
  - NZS 4206:1992, Concrete interlocking roofing tiles;
  - 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 or 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

Demonstrate knowledge of lead flashing types and installation on concrete or clay roof tiles.

#### Performance criteria

- 1.1 Describe the composition of lead flashings in terms of their compatibility with other materials.
- 1.2 Describe common lead flashing types used on concrete or clay roofs in terms of flashing application, examples, and suitability.
- 1.3 Identify installation recommendations for lead flashings in accordance with New Zealand Building Code Acceptable Solution E2/AS1, NZS 4206, and manufacturers' specifications.

### Outcome 2

Demonstrate knowledge of specialist flashings and their installation on concrete or clay roof tiles.

#### Performance criteria

- 2.1 Explain the use of specialist flashing materials in terms of advantages and disadvantages.
- 2.2 Describe pre-installation preparation considerations in terms of ensuring that the specialist flashing installation is suitable for the intended purpose.
- 2.3 Describe post-installation checks to ensure integrity and water tightness.

<b>Replacement information</b>	This unit standard, unit standard 1691, and unit standard 1692 were replaced by skill standard 40193.
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**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	23 January 2009	31 December 2020
Review	2	16 March 2017	31 December 2027
Rollover	3	25 August 2022	31 December 2027
Review	4	28 November 2024	31 December 2027

<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>.