

Title	Inspect the installation of specialist flashings to concrete or clay roof tiles		
Level	4	Credits	7

Purpose	<p>This unit standard is for people carrying out concrete or clay roof work and covers the inspection of specialist flashings to concrete or clay roof tiles.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – demonstrate knowledge of specialist materials and their uses in forming flashings for concrete or clay roof tiles; and – inspect specialist materials used to flash concrete or clay roof tiles to ensure correct installation.
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Classification	Plumbing, Gasfitting and Drainlaying > Roofing
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Available grade	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 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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of specialist materials and their uses in forming flashings for concrete or clay roof tiles.

Range galvanised steel, pre-finished steel, copper, zinc, butyl rubber.

Performance criteria

- 1.1 Describe the general characteristics, advantages, and disadvantages of each material used as a flashing for concrete or clay roof tiling.
- 1.2 Describe the range of flashing applications of each material as used on a concrete or clay tile roof.
- 1.3 Explain roof preparation required for the installation of each material in accordance with the manufacturers' specifications.

Outcome 2

Inspect specialist materials used to flash concrete or clay roof tiles to ensure correct installation.

Performance criteria

- 2.1 Visually inspect the roof preparation to ensure that the flashing installation meets the manufacturers' specifications.
- 2.2 Monitor the installation and finishing procedures adopted by the specialist installer to ensure that they conform to the manufacturers' specifications.

- 2.3 Visually inspect the completed specialist flashing installation work to ensure it complies with the job specification and manufacturers' specifications

Range watertight, visually acceptable, any tile repair work to be completed by the tile.

- 2.4 Report any defects in the installation of specialist flashings in writing to the tiling supervisor, installer, main contractor, or manufacturer.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.