

<b>Title</b>	<b>Explain metal roof tile specialist flashing and penetration installations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>7</b>

<b>Purpose</b>	<p>This unit standard is intended for use in the training and assessment of people carrying out metal roof tile installation work and covers knowledge of metal roof tile specialist flashing and penetration installations.</p> <p>People credited with this unit standard are able to explain specialist:</p> <ul style="list-style-type: none"> <li>- flashing installation on metal roof tiles; and</li> <li>- penetration installation on metal 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 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 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.

## Outcomes and performance criteria

### Outcome 1

Explain specialist flashing installation on metal roof tiles.

Range flashing types include – chimney, hip to wall junction, valley junction, stop ends.

### Performance criteria

1.1 Explain the layout of tiles surrounding the area to be flashed.

1.2 Explain the installation of flashings.

Range order of installation, building paper layout, flashing and tile cutting, sealant application.

### Outcome 2

Explain specialist penetration installation on metal roof tiles.

Range skylight, boot collar flashing.

### Performance criteria

2.1 Explain the layout of tiles surrounding penetrations.

2.2 Explain the installation of penetration flashings.

Range order of installation, building paper layout, tile cutting, flashing sealant application.

<b>Replacement information</b>	This unit standard and unit standard 25288 were replaced by skill standard 40203.
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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

#### Consent and Moderation Requirements (CMR) reference

0003

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.