

40193 Install flashing systems for concrete or clay tile roof cladding

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| Kaupae Level | 4 |
| Whiwhinga Credit | 15 |
| Whāinga Purpose | <p>This skill standard recognises the skills required to install flashing systems for concrete or clay tile roof cladding systems.</p> <p>This skill standard aligns with the New Zealand Certificate in Roofing (Installation) (Level 4) with strands in Concrete or Clay Tile Roof, Liquid Roof Membrane Systems, Metal Tile Roof, Profiled Metal Roof and Wall Cladding, Shingle or Slate Roof, Single Layer Roof Membrane Systems, and Torch On Roof Membrane Systems [Ref: 3512-2].</p> |

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

| Hua o te ako Learning outcomes | Paearu aromatawai Assessment criteria |
|---|---|
| 1. Prepare flashings, penetrations, and accessory components for concrete or clay tile roof cladding systems. | a. Materials are selected with the required properties and dimensions to meet job specifications. |
| | b. Selected materials and equipment are prepared for installation and to optimise workflow. |
| 2. Install flashings, penetrations, and accessory components to concrete or clay tile roof cladding system. | a. Installation method is carried out in relation to drawings and job specifications, and requirements. |
| | b. Flashings, penetration, and accessory components are fixed using equipment and methods suitable for the task. |
| | c. Process and end-product are confirmed to meet installation requirements, including confirmation of weathertightness. |

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

To achieve this standard the candidate must be capable of installing flashing systems for concrete or clay tile cladding systems for new installations and varying pitch to industry standards.

Industry standards must reflect roofing industry best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand.

This standard may be assessed in the workplace or a simulated work environment.

Evidence for this standard must be:

- to current and relevant Legislation, Standards, and Codes (including safety),
- in an environmentally sustainable manner,
- within an acceptable timeframe,
- in different and unfamiliar contexts,
- with acceptable behaviours.

Cladding systems refer to materials (underlays, claddings, and flashings) and methods that prevent the passage of water from entering the building. The method of installation may vary with the pitch.

Flashing systems refer to any material used to provide a barrier between a change in surfaces or materials to seal a joint against weather penetration.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

- Uses, characteristics, advantages, and disadvantages of compatible materials.
- The range of flashing systems and their application.
- Preparation required for the installation of materials.
- Fixing techniques.
- Installation methods.
- Pre- and post-installation checks required to ensure integrity and weathertightness.
- Compliance requirements specific to individual flashing systems.
- Interpreting manufacturer's requirements.
- Measuring and calculating material requirements.

Rauemi | Resources

Roofing Programme Guidance information available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kounga | Quality assurance information

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| Ngā rōpū whakatau-paerewa Standard Setting Body | Waihanga Ara Rau Construction and Infrastructure Workforce Development Council |
| Whakaritenga Rārangi Paetae Aromatawai DASS classification | Planning and Construction > Plumbing, Gasfitting and Drainlaying > Roofing |
| Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR | 0003 |

| Hātepe Process | Putanga Version | Rā whakaputa Review Date | Rā whakamutunga mō te aromatawai Last date for assessment |
|--|--|-----------------------------------|--|
| Rēhitatanga Registration | 1 | 28 November 2024 | N/A |
| Kōrero whakakapinga Replacement information | This skill standard replaced unit standards 1691, 1692, and 25276. | | |
| Rā arotake Planned review date | 31 December 2029 | | |

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.