

40213 Install profile metal wall cladding and flashing systems

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| Kaupae Level | 4 |
| Whiwhinga Credit | 25 |
| Whāinga Purpose | <p>This skill standard recognises the skills required to install profile metal wall cladding and flashing 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 |
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| 1. Prepare for profile metal wall cladding and flashing installation. | a. Materials are confirmed to have required properties and dimensions to meet job specifications. |
| | b. Selected materials and equipment are prepared for installation and to optimise workflow. |
| | c. Preparation of substrates and structure is confirmed to reflect plans and job specifications. |
| 2. Install profile metal wall cladding systems. | a. Cladding system components are installed to plans and job specifications. |
| | b. Components are fixed using equipment and methods suitable for installation. |
| | c. Process and end-product are confirmed to meet industry standards, including confirmation of weathertightness. |

| Hua o te ako Learning outcomes | Paearu aromatawai Assessment criteria |
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| 3. Install flashings, penetrations, and accessory components to profile metal wall cladding systems. | a. Installation method is carried out in relation to instructions, job specifications. |
| | 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 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 profile metal roof and flashing systems for new installations 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 materials (flashings, penetrations, accessories) 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

- Preparation of a work schedule.
- Development of job safety plans.
- Required types and standards of documentation.
- Underlay requirements.
- Preparation for fixings, flashings, junctions and penetrations of the substrate and cladding system.
- The types and application process of fixings and hardware.
- Compliance requirements for the cladding system.
- The application requirements and techniques for flashing and cladding systems.
- Cleaning up and removal of waste from work site.
- Client expectations and compliance requirements.
- Installation methods for flashing and cladding systems.
- Suitability of profile metal cladding.
- Managing change in wall direction.

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 standard 30210. | | |
| 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.