

40223 Install single layer membrane roof cladding systems

Kaupae Level	4
Whiwhinga Credit	35
Whāinga Purpose	<p>This skill standard recognises the skills required to install single layer membrane 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 for single layer membrane roof cladding system installation.	a. Materials are confirmed to have required properties and dimensions to meet job specifications.
	b. Work area is prepared for safe installation, to optimise workflow, and to meet industry standard requirements.
	c. Preparation of substrates and structure is confirmed to reflect plans and job specifications.
2. Install single layer membrane roof 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.

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

Assessment specifications:

To achieve this standard the candidate must be capable of installing single layer membrane roof 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.

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 systems.
- The application requirements and techniques for cladding systems.
- Cleaning up and removal of waste from work site.
- Client expectations and compliance requirements.
- Installation methods for cladding systems.
- Suitability of single layer membrane cladding.
- Managing change in roof direction.
- Hazardous materials.

Rauemi | Resources

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

Pārongo Whakaū Kounga | Quality assurance information

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 10809.		
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.