40198   Install flashing systems for liquid membrane roof cladding

Kaupae | Level	4
Whiwhinga | Credit	15
Whāinga | Purpose	This skill standard recognises the skills required to install flashing systems for liquid roof membrane cladding.
	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].

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 liquid membrane 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 liquid membrane roof cladding systems.	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 liquid membrane roof cladding 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 refers 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

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	N/A		
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.