

Clad L4 Install exterior wall cladding and flashing systems

Kaupae Level	4
Whiwhinga Credit	
Whāinga Purpose	<p>This skill standard recognises the skills required to install exterior wall cladding and flashing systems.</p> <p>It contributes to the New Zealand Certificate in Carpentry (Level 4) with optional strand in Metal Roof Cladding Installation [Ref:2738].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Preparation for exterior wall cladding and flashing installation is completed.	a. Materials and equipment are selected and prepared to optimise workflow and meet installation requirements.
	b. Preparation of substrates and structure is confirmed to reflect plans and specifications.
	c. Underlay installation is completed to reflect plans, specifications and industry standards.
2. Exterior wall cladding systems are installed.	a. Cladding systems are installed and fixed using equipment and methods to reflect plans, specifications and industry standards.
	b. Techniques to integrate different cladding materials are applied to reflect plans, specifications and industry standards.
	c. Process and end-product are confirmed to meet industry standards, including confirmation of weathertightness.
3. Flashings, penetrations, and accessory components are installed to the exterior wall cladding system.	a. Installation of flashings, penetrations, and accessory components are completed to reflect plans, specifications and industry standards.
	b. Process and end-product 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 underlay, two different linear and sheet material exterior wall claddings, and finishings and flashing systems to industry standards.

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

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions, work, demolition and project plans.

This standard must be assessed in the workplace.

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.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Advanced types and properties of claddings

- Cladding materials: timber products, fibre cement, upvc, metals, and insulated panels.
- Profiles, treatments/coatings, durability factors (e.g., corrosion resistance), and expansion management during installation.

Underlay and cavity systems

- Installation processes for flexible wall underlays and rigid air barriers.
- Compliance with legislative and building code requirements.

Tools, equipment, and processes

- Lifting equipment for efficient and safe material handling.
- Storey rods.

Installation techniques

- External and internal corners, mitres, soakers, boxed corners, and scribes.
- Joins and detailed cutting, fitting, and fixing methods (e.g., running mitres, rebated joints).

Advanced planning and compliance

- Work schedules, safety plans, and compliance documentation.
- Calculating materials for installation.

Flashing and junctions

- Preparing substrates for fixings, flashings, and junctions.
- Installation techniques for flashing and cladding systems to meet compliance.

Advanced cladding installation

- Managing changes in wall direction and ensuring suitability of profile metal cladding.
- Techniques for penetrations and maintaining system integrity.

Cleanup and client interaction

- Maintaining tidy worksites and waste removal
- Meeting client expectations through compliance and high-quality workmanship.

Rauemi | Resources

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 > Construction Trades > Carpentry
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	[dd mm yyyy]	N/A
Kōrero whakakapinga Replacement information	This skill standard replaces unit standards:		
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.