

40791 Install exterior wall cladding and flashing systems

Kaupae Level	4
Whiwhinga Credit	15
Whāinga Purpose	<p>This skill standard is for people intending to complete qualifications and credentials in the carpentry trades.</p> <p>People with this skill standard have the skills to install exterior wall cladding and flashing systems.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction trades.</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 to install exterior wall cladding and flashing systems.	a. Materials and equipment are selected and prepared to optimise workflow and meet installation requirements.
	b. Substrates and structure are prepared to meet plan and specification requirements.
	c. Underlay installation is completed to reflect plans and specifications.
2. Install exterior wall cladding systems.	a. Cladding systems are installed and fixed using equipment and methods to reflect plans and specifications.
	b. Different cladding materials are integrated to meet plans and specifications.
3. Install flashings, penetrations, and accessory components to the exterior wall cladding system.	a. Installation of flashings, penetrations, and accessory components is completed to reflect plan and specifications.
	b. 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 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 demonstrated:

- 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

Types and properties of claddings

- Cladding materials: timber products, fibre cement, unplasticised polyvinyl chloride (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.
- Thermal breaks.
- Sill supports.
- Turning in of wrap.

Tools, equipment, and processes

- Lifting equipment for efficient and safe material handling.
- Storey rods.
- Fixing types: nails, screws, glues.

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).

Planning and compliance

- Work schedules, safety plans, and compliance documentation.
- Calculating materials for installation.
- Codes, clauses, acceptable and alternative solutions.

Flashing and junctions

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

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 Kouna | 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	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhītatanga Registration	1	28 August 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 30846.		
Rā arotake Planned review date	31 December 2030		

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.