

40806 Carry out exterior door and window joinery installation tasks

Kaupae Level	3
Whiwhinga Credit	5
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 carry out exterior door and window joinery installation tasks under limited supervision.</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. Identify the components and installation requirements of exterior door and window joinery.	a. The types and functions of exterior joinery are identified from plans and specifications.
	b. Opening and installation requirements for exterior joinery are identified from plans and specifications.
2. Carry out installation tasks for exterior door and window joinery.	a. Openings are prepared according to plans and specifications.
	b. Joinery units are placed and fixed and confirmed as level and suitable for linings and claddings.

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

Assessment specifications:

To achieve this standard the candidate must be capable of carrying out installation tasks for exterior door and window joinery under limited supervision 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 and work, demolition and project plans.

Under limited supervision refers to candidates carrying out the requirements of this skill standard with basic guidance and indirect supervision from a suitably skilled tradesperson. They are expected to source some information independently from plans, specifications, or relevant New Zealand Standards.

This standard may be assessed in the workplace or a simulated work environment.

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,
- with acceptable behaviours.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Types of windows:

- Awning, stacker, hopper, fixed, casement, bay, sliding, fanlight, bi-fold.

Types of doors:

- Flush, French/patio, panelled, glazed, entrance, garage.

Materials and properties:

- Material types: aluminium, timber, uPVC, composite, steel.
- Key properties: finish, grade, treatment, weight, finishes/coatings, strength, colours, profiles, energy efficiency, durability, and maintenance requirements.

Parts of windows and doors:

- Jamb, rail, head, sash, sill, glazing bars, mullion, weather/drip grooves, transom, throatings, stile.

Preparing openings:

- Cutting and fixing underlay or building wrap to internal faces of framing.
- Applying flashing tape to ensure weathertightness.
- Installing flashings, cavity battens, sill supports, and cavity closers as required.
- Allowances for cavity and direct fixing.

Weathertightness and water penetration:

- Methods to manage water ingress, such as proper installation of flashings, wraps, and sealants.
- Understanding ways water penetrates buildings and designing systems to mitigate risks.

Installation process for windows and doors:

- Pre-installation checks, including ensuring the opening is level, square, and correctly sized.
- Determining the sequence of cladding installation relative to joinery placement.
- Positioning and securing joinery using packers.
- Installing required flashings (e.g., sill and head flashings).
- Using backing rods and silicone sealant to seal gaps.
- Installing finishing trim, including facings, scribes, plugs, and undersill trims.

Reference materials:

- Interpreting manufacturers' specifications, detailed plans, and drawings to ensure correct installation.

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
Rēhitatanga Registration	1	28 August 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standards 32492 and 32500.		
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.