

40762**Lead the installation of a complex glazing system**

Kaupae Level	5
Whiwhinga Credit	30
Whāinga Purpose	<p>This skill standard is for people working in the glazing industry who intend to lead complex glazing system installations.</p> <p>This standard recognises the knowledge and skills required to lead the installation of a complex glazing system.</p> <p>This skill standard may contribute to New Zealand qualifications at Level 5 or above.</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Lead the installation of a complex glazing system.	a. Stakeholders, team members, and other tradespeople are communicated with and coordinated to complete project stages.
	b. Installation tasks are managed to ensure quality control, and health and safety procedures are implemented throughout the job.
	c. Measuring, calculating, and setting out is completed for installation.
	d. Fittings, fixing, and compounds are selected and used with consideration to product relationships.
	e. Problems are solved to progress installation.
2. Evaluate installation to confirm project requirements have been met.	a. Stages of installation are evaluated to confirm installation quality meets manufacturer, engineering, compliance, safety standards, and code of practice requirements and specifications.
	b. Verification is provided to confirm installation meets job requirements, codes of practice and compliance requirements.

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

Evidence generated for assessment against this standard must be drawn from a complex glazing system installation project undertaken by the candidate, and verified by a competent person who has

current expertise in complex glazing installation projects. Complex glazing installation projects include those with higher risk, at height, requiring problem solving, requiring moving equipment, alternative solutions, proprietary systems, or where a system is outside a proprietary system.

Definitions

Complex glazing systems may refer to glass installations that use multiple panels of toughened glass and require installation in a complex situation. These may include engineered canopies and facades; complex frameless systems balustrades that are curved, along stairways, and multi-level; glass floors and stair treads.

Verification refers to documentation that confirms compliance requirements are met.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Documentation for complex glazing

- Architectural plans and specifications.
- Acoustic reports.
- Wind loading report.
- Producer statements.
- Manufacturers' specifications.
- Engineering reports and requirements.
- Project estimations.
- Contracts.
- Project schedules.

Quality control procedures and verification

- Producer statements.
- Evaluation of project stages.
- Understanding of risk.

Construction knowledge

- Existing substrates.
- Product compatibilities.
- Structural elements.
- Openings.
- Watertightness.
- Weatherproofing.

Measurement tools

- Manual and digital measuring equipment.
- Advanced methodology.

Health and safety

- Job safety analyses.
- Hazard identification and management.
- Site-specific safety plans.
- Material safety data sheets.
- Manifestation on glass.
- Site clean-up.

Glass types and properties

- Composition.
- Dimensions and weight.
- Tolerances – manufacturing and structural.
- Glazing systems installation methodologies.

Rauemi | Resources

Programme guidance 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 > Glazing
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	N/A		
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.