

Title	Install glazing into common glazing systems		
Level	4	Credits	25

Purpose	<p>A person credited with this standard can for a range of common glazing systems;</p> <ul style="list-style-type: none"> • explain glazing compliance requirements, • plan and prepare to install common glazing systems, • glaze common glazing systems, • complete glazing installations, and • maintain glazing tools and plant. <p>This standard contributes to the New Zealand Certificate in Glazing (Level 4) [Ref:2945].</p>
----------------	--

Classification	Construction Trades > Glazing
-----------------------	-------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

Industry expects this standard to be assessed toward the end of a glazing apprenticeship programme when the apprentice has had opportunity to practice installation into all glazing system types and using all glass types.

1 Assessment

Evidence for assessment must include planning, installation and completion of glazing into at least two *common glazing systems* and two *glazing types*.

This unit standard must be assessed under the supervision of a commercially competent glazing practitioner in workplace conditions that reflect:

- current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

Evidence for assessment against this standard must be verified by a person who has current expertise in the glazing trades and has had the opportunity to regularly observe the candidate in the workplace.

Installations must be completed without injury to personnel or damage to products and equipment. Personal protective equipment must be used to meet regulatory and worksite requirements.

2 Definitions

Common glazing system types include steel, aluminium, timber, uPVC (unplasticised polyvinyl chloride) and internal partition systems.

Glazing types refers to monolithic and Insulated Glass Unit (IGU).

Installation methods may be new, reglazed or retrofitted.

Glass types may be annealed, toughened, laminate, fire rated or security glass.

Personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety.

Worksite requirements refer to instructions to staff on policy and procedures which are documented in manual format and are available in the workplace. These requirements include – company specifications and procedures, work instructions, manufacturer's specifications, product quality specifications, legislative requirements.

- 4 Evidence for assessment against this standard must reflect the best practice guidelines and principles specified in:
- NZS 4223.1:2008. *Glazing in buildings – Part 1: Code of practice for glazing in buildings - Glass selection and glazing.*
 - NZS 4223.2:2016. *Glazing in buildings – Part 2: Insulating Glass Units.*
 - NZS 4223.3:2016. *Glazing in buildings – Part 3: Human impact safety requirements.*
 - AS/NZS 4668:2000. *Glossary of terms used in the glass and glazing industry.*
- AS/NZS and NZS standards are available at <http://www.standards.govt.nz>.
Also available at <https://www.wganz.org.nz/resource-directory/>

Outcomes and performance criteria

Outcome 1

Explain glazing compliance requirements for common glazing systems.

Range steel, aluminium, timber, uPVC (unplasticised polyvinyl chloride) and internal partition systems.

Performance criteria

- 1.1 Explain system materials compatibility, assembly methods, glazing methods, drainage, block types and purpose, glass types and use, glass orientation.
- 1.2 Explain test requirements for fire rated and security glazing.
- 1.3 Complying with manufacturer specifications.

Outcome 2

Plan common glazing system installations.

Range Two common glazing systems installations.

Performance criteria

- 2.1 Confirm job specifications including glass requirements, location and customer details.
- 2.2 Confirm and gather equipment, tools, glass and installation materials.

2.3 Complete a site check.

Range access, movement and handling, and safety.

Outcome 3

Glaze a common glazing system.

Range Two common glazing systems installation jobs.

Performance criteria

- 3.1 Confirm glass meets job specifications and compliance requirements.
- 3.2 Prepare the glazing system according to industry best practice.
- 3.3 Install glazing to meet job and manufacturer’s specifications.
- 3.4 Provide information about maintenance and warranty requirements to the customer.

Outcome 4

Complete the glazing installations.

Performance criteria

- 4.1 Clean the glazing unit and frame according to manufacturer’s specifications.
- 4.2 Remove tools, equipment and any materials from the site.

Outcome 5

Maintain glazing tools and plant.

Performance criteria

- 5.1 Tools and plant used for glazing installation are cleaned, maintained and stored ready for use.

Range plant may include – any machinery, vehicle, equipment (including personal protective equipment) used in a glazing installation job.

Replacement information	This unit standard replaces unit standards 28757, 28764, 33089, 33090, 33144, 33147, 33151, 33082, 33083
--------------------------------	--

Planned review date	Xx June 2029
----------------------------	--------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	June 2024	N/A

Consent and Moderation Requirements (CMR) reference	0048
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.

DRAFT for comment