

Title	Assemble glass components using ultraviolet glue in a glazing application		
Level	4	Credits	5

Purpose	<p>A person credited with this standard can:</p> <ul style="list-style-type: none"> • demonstrate knowledge of glass and metal fixing using ultraviolet glue; • prepare for a glazing application using ultraviolet glue; • assemble glass components using ultraviolet glue; and • complete cleaning and storage requirements.
----------------	---

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

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

Guidance Information

1 Assessment

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 generated 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.

2 Assembly 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.

3 Definitions

Personal protective equipment (PPE) refers to 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 generated for assessment against this standard must reflect the best practice guidelines and principles specified in:

- 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>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of glass and metal fixing using ultraviolet glue.

Performance criteria

- 1.1 Describe the characteristics of ultraviolet glue used in a range of glazing applications.
- Range glass to glass, laminated glass, glass to metal.
- 1.2 Explain the design and quality requirements for assembling with ultraviolet glue.
- Range accuracy, tolerance, surface preparation, edgework, glass type thickness, metal components and/or fittings.

Outcome 2

Prepare for a glazing application using ultraviolet glue.

Performance criteria

- 2.1 Confirm the design requirements and job specifications with the customer before work begins.
- Range design details, dimensions, drawings, product information, site operational procedures.
- 2.2 Check and gather equipment, tools, and installation materials before work begins.
- 2.3 Check location and positioning for the assembly.
- Range measurements, suitability and location of fixing provisions, surrounds are plumb and/or level, installation hazards or problems, unobstructed rebates and compatibility.
- 2.4 Plan the assembly.
- Range cost, time, working drawings, availability of materials, safety.

Outcome 3

Assemble glass components using ultraviolet glue.

Performance criteria

- 3.1 Confirm the glass meets the design requirements and job specifications.

- 3.2 Confirm the fittings meet the job specifications.
- 3.3 Assemble glass components using ultraviolet to meet a job specification.
- Range clean fittings and glass, temporary clamps applied, inject glue, activate glue, clean the assembled structure.
- 3.4 Provide information to the customer about any relevant maintenance requirements.

Outcome 4

Complete cleaning and storage requirements.

Performance criteria

- 4.1 Clean and store tools and plant used to assemble glass components using ultraviolet glue.
- Range plant may include – any machinery, vehicle, equipment (including PPE) used in a glazing operation.
- 4.2 Clean the glazing and clear and clean the work area.

Planned review date	31 December 2029
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2015	31 December 2024
Review	2	24 November 2022	31 December 2025
Review	3	28 November 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 Waihangara Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaraarau.nz if you wish to suggest changes to the content of this unit standard.