

<b>Title</b>	<b>Glaze aluminium joinery products</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is for people employed in the aluminium joinery industry.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of glazing systems for aluminium joinery products; prepare to glaze aluminium joinery products; glaze aluminium joinery products; glaze an insulated glass unit into aluminium joinery; and complete workplace requirements.</p>
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<b>Classification</b>	Construction Trades > Architectural Aluminium Joinery
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and standards relevant to this standard include but are not limited to the Building Act 2004; Health and Safety in Employment Act 1992; New Zealand Standards (NZS) 4211:2008 *Specification for performance of windows*; NZS 4223 Parts 1 and 2:1985 *Code of practice for glazing in buildings*; and AS/NZS 4666:2000 *Insulating glass units*, available at <http://www.standards.co.nz>.
- 2 Definition  
*Company procedures* – the documents and procedures that include company rules, codes and practices; machine and equipment operating instructions; quality and conformance checks; and health and safety requirements.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of glazing systems for aluminium joinery products.

Range includes but is not limited to – pocket glazing with gaskets and wedges, pressure bead glazing, bead glazing with gaskets and wedges, silicon joints.

#### Performance criteria

- 1.1 The characteristics of each system are described.
- 1.2 The requirements for the successful installation of each system are described.

- 1.3 At least two situations where each of the glazing systems would be selected over the others are described and reasons are given for the choices.

## Outcome 2

Prepare to glaze aluminium joinery products.

### Performance criteria

- 2.1 Product specifications and quality requirements are verified in accordance with company procedures.
- Range may include but is not limited to – computerised specifications, job sheets, material manufacturer's instructions, glass type and glazing method.
- 2.2 Glass selected meets the job specifications.
- Range includes but is not limited to – size, thickness, quality and freedom from faults, safety labels.
- 2.3 Where required for glazing, disassembly of frame is completed without damage to the frame and in accordance with manufacturer's instructions.
- 2.4 Glazing materials and frame components are available and prepared in accordance with the job specification and workplace requirements.
- Range glazing materials and frame components may include but are not limited to – beads, gaskets, wedges, setting blocks, and sealants.
- 2.5 Personal protective clothing is worn, and equipment and tools required are selected and checked for serviceability in accordance with company procedures.
- 2.6 Work area is free of debris and abrasive materials, hazards are identified and procedures for their elimination, minimisation or isolation are implemented before glazing commences.

## Outcome 3

Glaze aluminium joinery products.

- Range includes but is not limited to – pocket glazing with gaskets and wedges, pressure bead glazing, bead glazing with gaskets and wedges, silicon joints.

### Performance criteria

- 3.1 Glazing procedures meet the job specifications and company requirements.
- Range requirements may include but are not limited to – correct blocking, glass is square and correctly oriented, gaskets and wedges are not stretched, drainage is correct and unobstructed.

- 3.2 Window design and glazing methods are selected in accordance with company procedures.
- 3.3 Where required, reassembly of disassembled aluminium joinery products is completed in accordance with manufacturer's instructions.
- Range includes but is not limited to – frame, sash, panel.
- 3.4 Glazing is completed without damage to the glass or aluminium joinery, or injury to the installer or danger to others, and is in accordance with manufacturer's instructions.

#### **Outcome 4**

Glaze an insulated glass unit into aluminium joinery.

##### **Performance criteria**

- 4.1 Glazing of an insulated glass unit is carried out in accordance with company procedures.
- Range requirements may include but are not limited to – correct blocking, glass is square and correctly oriented, gaskets and wedges are not stretched, labels are applied where required, drainage is correct and unobstructed.
- 4.2 Insulated glass unit is glazed in accordance with AS/NZS 4666:2000 and company procedures.

#### **Outcome 5**

Complete workplace requirements.

##### **Performance criteria**

- 5.1 Inspection of finished work ensures that glazing meets job specifications and company procedures.
- 5.2 Glass is trade cleaned and cleared of lubricants, and the aluminium joinery unit is labelled in accordance with company procedures.
- 5.3 Tools and equipment used are cleaned and surplus materials are stored in accordance with company procedures.
- 5.4 Waste materials are removed from the site and disposed of in accordance with company procedures.

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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	11 August 1993	31 December 2025
Review	2	26 July 2000	31 December 2025
Review	3	24 August 2006	31 December 2025
Rollover and Revision	4	20 May 2011	31 December 2025
Review	5	26 May 2022	31 December 2025

**Consent and Moderation Requirements (CMR) reference**

0073

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