

Title	Glaze aluminium joinery products		
Level	3	Credits	10

Purpose	<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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Classification	Construction Trades > Architectural Aluminium Joinery
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Available grade	Achieved
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Explanatory notes

- 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.

Outcomes and evidence requirements

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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Planned review date	31 December 2016
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	11 August 1993	31 December 2012
Review	2	26 July 2000	31 December 2012
Review	3	24 August 2006	31 December 2012
Rollover and Revision	4	20 May 2011	N/A

Consent and Moderation Requirements (CMR) reference

0073

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation info@bcito.org.nz if you wish to suggest changes to the content of this unit standard.