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| Title | Glaze fire and security glass | | |
| Level | 4 | Credits | 5 |

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| Purpose | <p>This unit standard is for experienced people working in the glazing industry.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of glazing fire and security glass systems; and prepare to glaze, and glaze fire and security glass systems.</p> |
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| Classification | Glass and Glazing > Flat Glass |
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| Available grade | Achieved |
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Guidance Information

- 1 Definition
Worksite requirements – refer to instructions to staff on policy and procedures which are documented in memo or 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.
- 2 Legislation and standards relevant to this unit standard include – Building Act 2004, Health and Safety in Employment Act 1992, New Zealand Standard (NZS) 4223.3:1999 *Glazing in buildings – Human impact safety requirements*, available at <http://www.standards.co.nz>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of glazing fire and security glass systems.

Performance criteria

- 1.1 Different types of fire and security glass are explained in terms of their advantages and disadvantages.

 Range types include – fire rated glazing system, security glazing system.
- 1.2 Specific requirements related to fire and security glass systems are explained in terms of their design and impact on the quality of the finished product.

- 1.3 Issues related to the performance of fire and security glass systems are identified and described in terms of remedial actions required.

Range issues may include – glass type, thickness, orientation, frame material, bead design, glazing tapes and materials, sealants, fire or security ratings; evidence of three is required.

Outcome 2

Prepare to glaze fire and security glass systems.

Performance criteria

- 2.1 Customer's design requirements are confirmed before work begins in accordance with worksite requirements.

Range requirements include – design details, dimensions, drawings and specifications, product information, site operational procedures.

- 2.2 All necessary equipment, tools, and installation materials are checked and assembled before work begins in accordance with worksite requirements.

- 2.3 Glazing site check is completed in accordance with worksite requirements.

Range site check includes – measurements, site floor levels and allowance for floor finishes, suitability and location of fixing provisions, if surrounds are plumb and/or level, any installation hazards or problems.

- 2.4 Construction process is planned in accordance with worksite requirements.

Range planning includes – cost, time, working drawings, engineering requirements, availability of materials.

Outcome 3

Glaze fire and security glass systems.

Performance criteria

- 3.1 Glass meets the design, the job specifications, and worksite requirements.

- 3.2 Glazing meets the job specifications and worksite requirements.

- 3.3 Glazing is completed without injury to personnel or damage to product and equipment in accordance with the job specifications and worksite requirements.

- 3.4 Glass is cleaned and work area is left clear and cleaned in accordance with worksite requirements.

- 3.5 Customer is advised of any relevant maintenance requirements in accordance with worksite requirements.

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| Replacement information | This unit standard was replaced by unit standard 33082 and unit standard 33083. |
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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 | 18 June 2015 | 31 December 2024 |
| Review | 2 | 24 November 2022 | 31 December 2024 |

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| Consent and Moderation Requirements (CMR) reference | 0048 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.