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| <b>Title</b> | <b>Install toughened glass doors and entrances</b> |                |          |
| <b>Level</b> | <b>4</b>   | <b>Credits</b> | <b>5</b> |

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| <b>Purpose</b> | <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 systems for installing toughened glass doors and entrances; prepare to install; and install toughened glass doors and entrances.</p> |
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| <b>Classification</b> | Glass and Glazing > Flat Glass |
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| <b>Available grade</b> | 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 systems for installing toughened glass doors and entrances.

#### Performance criteria

- 1.1 Installation process for each glazing system used for installing toughened glass doors and entrances is described in terms of worksite requirements.

Range process includes – design details and specifications, drilled holes size and location, structural hardware and fixing selection, structural design limitations, structural assembly methods.

- 1.2 Sealant and glazing materials used for installing toughened glass doors and entrances are identified in terms of worksite requirements.

## **Outcome 2**

Prepare to install toughened glass doors and entrances.

### **Performance criteria**

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

Range requirements include – design details, drawings and specifications, product information, applicable codes and regulations.

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

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

Range site check includes – measurements, fixing and floor spring provisions, if surrounds are plumb and/or level, any potential installation hazards or problems.

## **Outcome 3**

Install toughened glass doors and entrances.

### **Performance criteria**

- 3.1 Installation of glass meets the job specifications and worksite requirements.

- 3.2 Installation of hardware, fittings, and accessories meets the job specifications and worksite requirements.

Range requirements include – fitting of door handles and seals, fitting of cover plates as required, marking of glass that can be mistaken for unimpeded path of travel;  
fittings include – floor springs, floor pivots, overhead closers, channels and fixings.

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

- 3.4 Installation 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.

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

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| <b>Replacement information</b> | This unit standard, unit standard 20504, unit standard 20512, unit standard 20518, unit standard 20520, and unit standard 20521 replaced unit standard 2042, unit standard 2044, and unit standard 2047. |
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**Status information and last date for assessment for superseded versions**

| Process      | Version | Date             | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1       | 27 April 2004    | 31 December 2013         |
| Review       | 2       | 21 May 2010      | 31 December 2017         |
| Review       | 3       | 18 June 2015     | 31 December 2025         |
| Review       | 4       | 24 November 2022 | 31 December 2025         |
| Rollover     | 5       | 24 October 2024  | 31 December 2025         |

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