

Title	Install a glass block wall using a non-mortar system		
Level	4	Credits	5

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 prepare to install glass blocks and install a glass block wall using a non-mortar system.</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*, NZS 3604:2011 *Timber-framed buildings*, AS/NZS 1170.0 Supplement 1:2002 *Structural design actions - Part 0: General principles – Commentary*, AS/NZS 1170.0:2002 *Structural design actions - Part 0: General principles*, AS/NZS 1170.1 Supplement 1:2002 *Structural design actions - Part 1: Permanent, imposed and other actions - Commentary (Supplement to AS/NZS 1170.1:2002)*, AS/NZS 1170.1:2002 *Structural design actions - Part 1: Permanent, imposed and other actions*, AS/NZS 1170.2 Supplement 1:2002 *Structural design actions - Part 2: Wind actions - Commentary (Supplement to AS/NZS 1170.2:2002)*, AS/NZS 1170.2:2011 *Structural design actions - Part 2: Wind actions*, AS/NZS 1170.3 Supplement 1:2003 *Structural design actions - Part 3: Snow and ice actions - Commentary (Supplement to AS/NZS 1170.3:2003)*, AS/NZS 1170.3:2003 *Structural design actions - Part 3: Snow and ice actions*, NZS 1170.5 Supplement 1:2004 *Structural design actions - Part 5: Earthquake actions - New Zealand Commentary*, and NZS 1170.5:2004 *Structural design actions - Part 5: Earthquake actions - New Zealand* available at <http://www.standards.co.nz>.

Outcomes and performance criteria

Outcome 1

Prepare to install glass blocks.

Performance criteria

- 1.1 Customer's requirements are confirmed before work begins in accordance with worksite requirements.
- Range requirements include – frame materials, glass blocks, galvanised steel and/or aluminium reinforcement bars, plastic clips, silicone sealant.
- 1.2 All necessary equipment, tools, and installation materials are checked and assembled before work begins in accordance with worksite requirements.
- 1.3 The non-load bearing status of the wall, the support of the wall by the main structure, and the length and height of the proposed wall are confirmed before work begins in accordance with worksite requirements.
- Range walls include – straight walls with horizontal reinforcement, straight walls with vertical reinforcements, curved walls, corner walls.

Outcome 2

Install a glass block wall using a non-mortar system.

Performance criteria

- 2.1 The frame is fitted to the structure and checked in accordance with worksite requirements.
- Range structures include – internal walls and partitions, exterior walls.
- 2.2 Blocks are installed in accordance with the job specifications and worksite requirements.
- 2.3 Wall is protected from applied loads and damage in accordance with worksite requirements.
- Range loads include – winds, thermal loads, vibrations, dead loads, human impact.
- 2.4 Operations are completed without injury to personnel or damage to product and equipment in accordance with the job specifications and worksite requirements.
- 2.5 Finished product is cleaned and work area is left clear and cleaned in accordance with worksite requirements.

- 2.6 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.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	11 June 1995	31 December 2013
Revision	2	5 February 1997	31 December 2013
Revision	3	20 December 1999	31 December 2013
Review	4	27 April 2004	31 December 2013
Review	5	21 May 2010	31 December 2017
Review	6	18 June 2015	31 December 2024
Review	7	24 November 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference

0048

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