

Title	Demonstrate knowledge of solar control, specialist coated glass, and glazing systems		
Level	3	Credits	4

Purpose	<p>This unit standard is for people entering the glazing industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of solar control and specialist coated glass, and glazing 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 but are not limited to – company specifications and procedures, work instructions, manufacturer’s specifications, product quality specifications, legislative requirements.
- 2 All work to be done in accordance with the requirements of the Health and Safety in Employment Act 1992, Building Act 2004, New Zealand Standard (NZS) 4223.3:1999 *Code of practice for glazing in buildings – Human impact safety requirements*, available at <http://www.standards.co.nz>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of solar control and specialist coated glass.

Performance criteria

- 1.1 Types of glass used for solar control are identified and described in terms of solar reflection, absorption, transmission, emissivity, shading coefficient and light transmission.
- 1.2 Design and performance characteristics of solar and specialist costed glass are identified and described in terms of orientation and geographic location requirements.

- 1.3 Framing requirements for solar and specialist coated glass are identified and described in accordance with job specifications and worksite requirements.
- 1.4 Methods for cutting, maintaining edge condition, handling, storing of, and cleaning specialist coated glass are identified and described in accordance with worksite requirements.

Outcome 2

Demonstrate knowledge of glazing systems.

Range includes but is not limited to – ground-based assemblies, fully-fixed assemblies, suspended assemblies, tension rod systems, canopy systems.

Performance criteria

- 2.1 The characteristics and components of each glazing system are identified and described in terms of the requirements for their installation in accordance with worksite requirements.

Range evidence is required of a situation where each of the glazing systems would be used.

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	21 May 2010	31 December 2017
Review	2	18 June 2015	31 December 2017
Review	3	15 October 2015	31 December 2024
Review	4	24 November 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference

0073

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