

Title	Sand blast glass		
Level	4	Credits	10

Purpose	<p>This unit standard is for experienced people in the glass processing industry working with decorative glass.</p> <p>People credited with this unit standard are able to: prepare to sand blast glass; sand blast designs onto glass; and complete job requirements.</p>
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Classification	Glass and Glazing > Glass Processing and Manufacturing
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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 relevant to this unit standard includes – Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, Hazardous Substances and New Organisms Act 1996, Resource Management Act 1991.

Outcomes and performance criteria

Outcome 1

Prepare to sand blast glass.

Performance criteria

- 1.1 Work area is checked to ensure it complies with legislative and worksite requirements.

Range	checks may include – running water, operational drainage system, operational air ducting for fumes, accessibility of chemicals.
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- 1.2 Protective clothing and equipment necessary for the task is used in accordance with legislative and worksite requirements.
- Range protective clothing and equipment includes – overalls, full face mask, gloves, protective apron.
- 1.3 Any potential hazards are identified and preventative measures are taken in accordance with legislative and worksite requirements.
- 1.4 Safety check of machinery and equipment is completed prior to use in accordance with manufacturer's and worksite requirements.
- 1.5 Any faulty or non-operational machinery or equipment is fixed or replaced in accordance with worksite requirements.
- 1.6 Grade of grit is selected in accordance with type of glass, the job specifications, and worksite requirements.
- 1.7 Air pressure is set in accordance with manufacturer's and worksite requirements.
- 1.8 Glass is selected in accordance with the job specifications and worksite requirements.

Outcome 2

Sand blast designs onto glass.

Performance criteria

- 2.1 Glass is masked ensuring no air bubbles are trapped under tape in accordance with worksite requirements.
- 2.2 Design is completed in accordance with the job specifications and worksite requirements.
- Range design includes – hand cut pattern, computer cut stencil.
- 2.3 Design is transferred onto prepared masked surface in accordance with worksite requirements.
- 2.4 Masking is removed and glass is sand blasted in accordance with the job specifications and worksite requirements.
- Range job specifications may include – full coverage, standard of image, standard of edges, depth of cut.

Outcome 3

Complete job requirements.

Performance criteria

- 3.1 Sand blasted glass is cleaned and stored in accordance with worksite requirements.
- Range cleaning includes – grit-free, blow-dried, stacked, marked, free of masking material.
- 3.2 Work is completed in accordance with job specifications and customer's requirements.
- 3.3 Machinery, equipment and materials are cleaned and stored in accordance with manufacturer's and worksite requirements.
- 3.4 Post-processing clean-up of work area is conducted to ensure that work area is left free of debris in accordance with worksite requirements.
- 3.5 Work is completed without injury to personnel and damage to product.

Planned review date	31 December 2022
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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	19 June 2009	31 December 2017
Review	6	18 June 2015	N/A
Rollover and Revision	7	25 August 2022	N/A

Consent and Moderation Requirements (CMR) reference	0073
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.