

<b>Title</b>	<b>Demonstrate knowledge of glass processes</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	<p>This theory-based entry-level unit standard is for people who work in the glass processing or glazing sectors of the glass industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of the characteristics and processing methods used for: specialist glasses, glass products, and functional processes applied to glass.</p>
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<b>Classification</b>	Glass and Glazing > Glass Processing and Manufacturing
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<b>Available grade</b>	Achieved
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## Guidance Information

### Definitions

*Characteristics* – refer to those features which are particular to the specialist glasses, glass products or functional processes.

*Functional processes* – refer to the preparation of glass for specific uses.

*Processing methods* – refer to the way the specialist glasses, glass products and functional processes are achieved.

*Specialist glass* and *glass products* – refer to the glass and glass products made from manufactured glass.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the characteristics and processing methods used for, specialist glasses.

Range specialist glasses include – toughened, heat-strengthened, laminated (polyvinyl butyral and cast-in-place), insulating glass units, solar (off-line reflective glass and low emissivity coated glass), mirror.

### Performance criteria

- 1.1 The characteristics of glass produced by each processing method are identified and described in terms of their key components.
- 1.2 Each processing method is described in terms of the key stages.

**Outcome 2**

Demonstrate knowledge of characteristics and processing methods used for, glass products.

Range glass products include – bent glass, curved glass, glass blocks, cladding, decorative glass.

**Performance criteria**

- 2.1 The characteristics of each glass product are identified and described in terms of their key components.
- 2.2 The processing method used to develop each glass product is described in terms of the key stages.

**Outcome 3**

Demonstrate knowledge of the characteristics and processing methods used for, functional processes applied to glass.

Range functional processes include – acid etching, sand blasting, edge working/bevelling, drilling, brilliant cutting.

**Performance criteria**

- 3.1 The characteristics of each functional process are identified and described in terms of their key components.
- 3.2 The processing method used to apply each functional process is described in terms of the key stages.

<b>Planned review date</b>	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	20 September 2002	31 December 2013
Review	2	21 November 2008	31 December 2017
Review	3	18 June 2015	N/A
Rollover and Revision	4	25 August 2022	N/A

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

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**Comments on this unit standard**

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