

<b>Title</b>	<b>Demonstrate knowledge of the surface preparation and use of adhesives and sealants for automotive reglazing</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	<p>A person credited with this standard can demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>• tools and equipment used with adhesives and sealants in automotive reglazing;</li> <li>• surface preparation for adhesives and sealants; and</li> <li>• adhesives and sealants for automotive re-glazing.</li> </ul>
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<b>Classification</b>	Glass and Glazing > Automotive Reglazing
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:
  - *Land Transport Rule: Vehicle Repair 1998* – Rule 34001/1998.
  - *Land Transport Rule: Glazing Windscreen Wipe and Wash, and Mirrors 1999* – Rule 32012/1999.
  - *Land Transport Rule: Vehicle Standards Compliance 2002* – Rule 35001/2002.
  - statutory and regulatory requirements applicable to the automotive reglazing industry.
  - documented worksite specifications, procedures, and practices.
  - manufacturer recommendations, specifications, and technical data sheets.
  - applicable material safety data sheets.
- 2 Definition
 

*Worksite procedure* refers to 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.
- 3 Legislation relevant to this unit standard include – Land Transport Rule: Vehicle Repair 1998 (Rule 34001); Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999 (Rule 32012/1); Land Transport Rule: Vehicle Standards Compliance 2002 (Rule 35001/1), available at <http://www.nzta.govt.nz/>.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of tools and equipment used with adhesives and sealants in automotive reglazing.

#### Performance criteria

1.1 Identify the tools and equipment used with adhesives and sealants and describe how they are used for optimal results.

Range sealer gun, cartridge, tube, cleaning solvent.

1.2 Describe maintenance requirements for tools and equipment used with adhesives and sealants.

### Outcome 2

Demonstrate knowledge of surface preparation for adhesives and sealants.

#### Performance criteria

2.1 Identify the types of cleaners and primers used in automotive reglazing and describe where used and the differences between them.

Range may include but is not limited to – water based cleaner, alcohol based cleaner, polyester primer, urethane primer, polymer primer.

2.2 Describe how to prepare a surface for automotive reglazing.

Range corrosion, adhesive removal, cleaning, scuffing, and activators.

### Outcome 3

Demonstrate knowledge of adhesives and sealants used for automotive reglazing.

#### Performance criteria

3.1 Identify the types of adhesives used in automotive reglazing and describe the application where used and the difference between them.

Range urethane, silyl modified polymer, sealant, bonding agent.

3.2 Describe how to cure adhesives according to manufacturer specifications.

Range single-pack, two-pack, air cure, heat cure, light cure, chemical reaction, elastic bond.

3.3 Explain the safety precautions for working with adhesives and sealants.

Range manufacturer specifications, statutory and regulatory requirements.

3.4 Describe how to apply adhesive and bond glass to a vehicle according to the adhesive manufacturer specifications.

<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2009	31 December 2017
Review	2	18 June 2015	31 December 2024
Review	3	24 February 2022	N/A
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>.

#### Comments on this unit standard

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