

Title	Demonstrate knowledge of paint application equipment, troubleshooting, and carry out repairs on a roadmarking site		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: demonstrate knowledge of paint application equipment in roadmarking; explain causes and ways to troubleshoot common issues in paint application equipment on a roadmarking site; and carry out repairs on a roadmarking site.
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Classification	Infrastructure Works > Roadmarking
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant industry requirements.
- 2 Legislation relevant to this unit standard include: Health and Safety at Work Act 2015; and any subsequent amendments.
- 3 Definitions
Industry requirements may refer to but are not limited to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
Paint application equipment refers to lines, guns, pumps, paint and bead systems, tanks, air system.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of paint application equipment in roadmarking.

Performance criteria

- 1.1 Paint application equipment is described in terms of their components.
- 1.2 Paint application equipment is explained in terms of how they work.

Outcome 2

Explain causes and ways to troubleshoot common issues in paint application equipment on a roadmarking site.

Range common issues include – line pinching, line pulsing, uneven spray, gun not firing, leaking after shut-off, leaking around tip holder, slow on and off, pressure, paint on piston, pump piston moving, sucking air, continual filter blocking, low bead flow, issues with fittings and settings, excess beads, poor bead distribution, bead delay.

Performance criteria

- 2.1 Common issues for paint application equipment are explained in terms of the cause.
- 2.2 Common issues for paint application equipment are explained in terms of ways to troubleshoot the issue.

Outcome 3

Carry out repairs on a roadmarking site.

Performance criteria

- 3.1 Repairs on a roadmarking site are carried out in accordance with troubleshooting guide.

Range evidence of at least two repairs.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2020	N/A
Rollover and Revision	2	29 January 2026	N/A

Consent and Moderation Requirements (CMR) reference

0120

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

Comments on this unit standard

Please contact Energy and Infrastructure Industry Skills Board qualifications@energyinfra-skills.nz if you wish to suggest changes to the content of this unit standard.