

Title	Prepare an A-type applicator for roadmarking		
Level	3	Credits	12

Purpose	<p>This unit standard is for people who operate an A-type roadmarking applicator.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of requirements for A-type roadmarking; and prepare for roadmarking using an A-type applicator.</p>
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Classification	Infrastructure Works > Roadmarking
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Available grade	Achieved
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Prerequisites	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
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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 and standards relevant to this unit standard include:
 - Hazardous Substances and New Organisms Act 1996;
 - Health and Safety at Work Act 2015;
 - Health and Safety at Work (Hazardous Substances) Regulations 2017;
 - Resource Management Act 1991;
 - Traffic Regulations 1976; available from www.legislation.govt.nz/;
 - *The official New Zealand truck loading code 2017*;
 - Quality Standard TQS1 and TQS2; available from <https://www.nzta.govt.nz/resources/index.html>;
 - and all subsequent amendments and replacements.
- 3 This unit standard refers to A-type applicators. For this assessment however, operator-mounted applicators suitable for applying longitudinal markings commonly referred to as B1-type applicators would also meet the assessment requirements of this unit standard. For B-type applicators refer to unit standard 18048, *Prepare a B-Type paint applicator for roadmarking*.

4 Definition

Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, scope of works, 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 NZ Transport Agency specifications and guidelines.

Outcomes and performance criteria**Outcome 1**

Demonstrate knowledge of requirements for A-type roadmarking.

Performance criteria

- 1.1 Specifications for A-type applicators are described in accordance with relevant Waka Kotahi NZ Transport Agency requirements.
- 1.2 Preparation for A-type operations are described.
- Range rural, urban, left-hand operation, right-hand operation.
- 1.3 Personal and team safety for A-type operations is described.
- 1.4 Location and function of process controls on A-type applicators are explained in accordance with plant and machinery supplier instructions.
- Range painting left-hand drive and right-hand drive, computer, segmented line control, troubleshooting, emergency procedures.
- 1.5 Procedures for changing the product type are explained in accordance with material supplier instructions and plant and machinery supplier instructions.
- Range paint flushing, filters, compatibility of products.
- 1.6 Maintenance of plant and equipment is described in terms of operator checks and adjustments, and when to refer for specialist servicing.
- Range filter clean, pump lubrication, hose condition, accumulator charge (where fitted), tip condition.

Outcome 2

Prepare for roadmarking using an A-type applicator.

Performance criteria

- 2.1 Tests One, Two, Three, and Four are demonstrated on an A-type applicator in accordance with Waka Kotahi New Zealand Transport Agency specifications.

- 2.2 The applicator is loaded with approved material and equipment.
Range paint, beads, measuring devices.
- 2.3 Load is secured in accordance with *The official New Zealand truck loading code 2017*.
- 2.4 Personal protective equipment is fitted and worn.
- 2.5 The pavement surface is prepared for application.
- 2.6 Specific tasks related to the job are carried out in accordance with plant and machinery supplier instructions.
Range may include but are not limited to – calibration, process control, adjustments, and product information as specified by the client or company;
evidence of two tasks is required.
- 2.7 Transfer from right-hand to left-hand operation (or vice versa) is demonstrated.
Range traffic management, mirrors, driving controls, paint controls, pointers.

Replacement information	This unit standard, unit standard 18046, and unit standard 18047 replaced unit standard 15929.
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Planned review date	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	13 February 2001	31 December 2018
Review	2	22 September 2005	31 December 2018
Review	3	20 April 2017	31 December 2023
Review	4	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.