

Title	Apply non-thermoplastic long-life products for roadmarking		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: demonstrate knowledge of non-thermoplastic long-life products for roadmarking; prepare for non-thermoplastic long-life application; apply non-thermoplastic long-life products to pavement; and record application and any non-compliance.
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Classification	Infrastructure Works > Roadmarking
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Available grade	Achieved
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Guidance Information

- 1 The requirements within the following legislation and regulations applying to roadmarking operations must be complied with as appropriate for the context of assessment against this unit standard:
Employment Relations Act 2000;
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
Health and Safety in Employment Regulations 1995;
Accident Compensation Act 2001;
Resource Management Act 1991;
Traffic Regulations 1976;
all available at www.legislation.govt.nz/.
- 2 The requirements within the following codes of practice and guidelines applying to roadmarking operations must be complied with as appropriate for the context of assessment against this unit standard:
Codes of practice and checklists published by the New Zealand Roadmarkers Federation, available at www.nzrf.co.nz/technical-documents/;
New Zealand Transport Agency's principal external manuals, manual amendments, specific examples include:
Code of Practice for Temporary Traffic Management (COPTTM),
www.nzta.govt.nz/resources/code-temp-traffic-management/copttm.html;
Approved codes of practice and guidelines relevant to specific work activities an example being the Approved Code of Practice for the Management of Substances Hazardous to Health in the Place of Work (MOSHH), available from Worksafe New Zealand at www.worksafe.govt.nz/worksafe/information-guidance/all-guidance-items/acop-moshh.
- 3 The requirements within the following New Zealand Standards applying to roadmarking operations must be complied with as appropriate for the context of assessment against this unit standard:

NZS 3910:2013: *Conditions of contract for building and civil engineering construction*;
NZS 3915:2005: *Conditions of contract for building and civil engineering construction (where no person is appointed to act as engineer to the contract)*;
NZS 5433:2012: *Transport of dangerous goods on land*; available at www.standards.co.nz/.

- 4 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will be dependent on company and site-specific equipment, procedures, and practices.
- 5 Definitions
Company requirements include the policy, procedures, and methodologies of the company. They include requirements in company and site health, safety and environmental plans, quality assurance documents, job plans, and contract work and reporting documents.
Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.
Material supplier instructions may include specifications, storage, installation, handling, instructions for use and Safety Data Sheets.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of non-thermoplastic long-life products for roadmarking.

Performance criteria

- 1.1 Specifications for non-thermoplastic long-life products for roadmarking are described in terms of New Zealand Transport Agency specifications.
- 1.2 The application process of non-thermoplastic long-life products is described in terms of preparation for the operation.
- Range includes but is not limited to – start-up procedures.

Outcome 2

Prepare for non-thermoplastic long-life application.

Performance criteria

- 2.1 Vehicle is loaded with material and equipment in accordance with company requirements.
- 2.2 Raw material is prepared in accordance with material supplier instructions.
- 2.3 Surface is prepared for application in accordance with material supplier instructions and company requirements.
- 2.4 Personal protective equipment and clothing are selected and fitted in accordance with material supplier instructions and company requirements.

Outcome 3

Apply non-thermoplastic long-life products to pavement.

Performance criteria

- 3.1 Product is applied in accordance with material supplier instructions and company requirements.
- Range may include – dimensional tolerances, thickness, bead application, aggregates, profiles, protection, curing.
- 3.2 Process controls are monitored in accordance with material supplier instructions.
- 3.3 Site and application equipment are cleaned in accordance with company requirements.
- 3.4 Waste material is disposed of in accordance with the Resource Management Act 1991, and company requirements.

Outcome 4

Record application and any non-compliance.

Performance criteria

- 4.1 Application is recorded in accordance with contract specifications and company requirements.
- 4.2 Any application non-compliance is recorded in accordance with contract specifications and company requirements.

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	20 January 1999	31 December 2018
Review	2	22 September 2005	31 December 2018
Review	3	20 April 2017	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 the Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this assessment standard.