

<b>Title</b>	<b>Demonstrate knowledge of and carry out bitumen surface construction site operations</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of and carry out bitumen surface construction site operations.
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<b>Classification</b>	Infrastructure Works > Bitumen Surfacing Construction
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Learning and assessment within this unit standard must be carried out in an infrastructure works environment and in accordance with the following legislation and codes of practice, as relevant to their role, and any subsequent amendments or replacements:
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - *Code of Practice: Safe Handling Bituminous Materials Used in Roading*;
  - Bitumen Safety Book, both available from <http://nzcontractors.co.nz/Publications>.
  
- 2 Definitions
 

*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements that may apply across the company or to a specific site. Requirements are documented in the company health and safety plans, traffic management plans, contract work programmes, quality plans, policies, and procedural documents.

*Job instructions* are instructions given to the operator prior to undertaking a job. They may include site safety instructions, contract drawings, and written memos.

*Quality plan* refers to any contract specific policy, processes, procedures, testing or certification requirements.

*Site safety plan* means the comprehensive plan dealing with issues relating to health, safety, and the environment. This plan may be generic or site specific and will include an emergency plan. It may include a hazard register.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of bitumen surface construction site operations.

**Performance criteria**

- 1.1 The process for bitumen surface construction is explained in terms of the sequence and job specification requirements for the site.
- 1.2 Tasks for site operations are explained in terms of own role and job specification requirements.
- 1.3 The importance of the quality plan and site safety plan are explained in terms of own role and site operations.
- 1.4 Site-specific conditions are explained in terms of type of soil, terrain, and/or environmental considerations.
- 1.5 The value of crew members to the business is explained in terms of company expectations for down time, reducing variations and meeting deadlines.

**Outcome 2**

Carry out bitumen surface construction site operations.

**Performance criteria**

- 2.1 Safety procedures and checks are followed in terms of personal protective equipment, daily tasks, plant and equipment and the requirements of the site safety plan.
- 2.2 Tasks are completed and meet the requirements of the role and job instructions.
- 2.3 Equipment is operated in accordance with any equipment specifications or company requirements.
- 2.4 Plant is operated in accordance with the operator manual requirements.
- 2.5 Any issues and recommendations for improvements to site operations are discussed with a leading hand or supervisor in accordance with company requirements.
- 2.6 Timelines and documentation requirements are met in accordance with company requirements.

<b>Planned review date</b>	31 December 2023
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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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 the Infrastructure ITO [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.