

Title	Implement quality processes on the bitumen surfacing construction site		
Level	4	Credits	25

Purpose	People credited with this unit standard are able to implement quality processes on the bitumen surfacing construction site.
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Classification	Infrastructure Works > Bitumen Surfacing Construction
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Available grade	Achieved
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Guidance Information

- Learning and assessment within this unit standard must be carried out in an infrastructure works environment; in accordance with industry requirements, the following legislation, guidelines, as relevant to their role, and any subsequent amendments or replacements:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991, available from www.legislation.govt.nz;
 - Best Practice Guideline: Safe Handling of Bituminous Materials Used for Roothing (BPG01), available from BPG01 | Civil Contractors NZ;
 - The Bitumen Safety Handbook, available from <https://civilcontractors.co.nz/>.
- Evidence from three different work sites is required to achieve this unit standard.
- Definitions

Hold points refer to the halt in work activities till you have confirmed they meet test requirements or job specifications.

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

Quality outcomes may refer to health and safety, environmental, technological, economical, performance, productivity, efficiency, and service outcomes.

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

Quality processes refer to the processes specified in the quality plan.

Outcomes and performance criteria

Outcome 1

Implement quality processes on the bitumen surfacing construction site.

Performance criteria

- 1.1 Quality processes are explained in terms of ensuring consistent work practices.
- 1.2 Quality processes are implemented in accordance with the quality plan and in terms of ensuring consistent work practices throughout the surfacing construction process.
- 1.3 Training and competence of the onsite work team are confirmed in terms of meeting the requirements of the quality plan and work plans, and throughout the surfacing construction process.
- 1.4 Hold points are monitored to confirm quality of work in accordance with specifications and inspection test plans.
- 1.5 Depths and spread or spray rate requirements are met during site work operations.
- 1.6 Materials are used within recommended parameters and are appropriate for the intended use.
- 1.7 Plant is set up to meet the requirements of the quality plan.
- 1.8 Transporting, handling, and laying of materials meets the requirements of the quality plan.
- 1.9 Environmental controls on site are monitored in accordance with the job specifications and quality outcomes.
- 1.10 Quality outcomes are communicated and monitored on site in accordance with the quality plan requirements.
- 1.11 Variations or modifications are actioned.
- 1.12 Liability, defects, or quality issues are explained in terms of the impact on company profit and reputation.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2017	31 December 2026
Review	2	29 June 2023	N/A

Consent and Moderation Requirements (CMR) reference

0101

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

Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@WaihangaAraRau.nz if you wish to suggest changes to the content of this unit standard.