

LEVEL 4 BITUMINOUS SURFACING CONSTRUCTION



NEW ZEALAND CERTIFICATE IN BITUMINOUS SURFACING CONSTRUCTION

(with strands in Bituminous Mixes, Chipseal, and Slurry)

NZQA REF: 2686 **72 credits**

FORMAL RECOGNITION FOR SKILLED INFRASTRUCTURE WORKERS

This qualification will give you the knowledge and skills to work with limited or no supervision to produce quality bituminous surfacing.



L4

BITUMINOUS SURFACING CONSTRUCTION

WHICH SKILLS DOES IT COVER?

Developed with industry, for industry, this qualification represents best practice. It covers core skills including:

- Safety and quality assurance
- Applying knowledge of bituminous surfacings, materials, the supply chain and plant and equipment used for manufacturing bituminous binders
- Knowledge of control measures to ensure quality products are produced onsite
- Identifying and notifying the nature and extent of site works

Plus the skills in one of the following strands:

BINDER MANUFACTURING OPERATION:

- Operating a manufacturing binder plant

BITUMINOUS MIXES OPERATION:

- Operating a bituminous mix plant

BITUMINOUS SPRAYING OPERATION:

- Constructing quality slurry surfaces

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WHO IS THIS QUALIFICATION FOR?

The New Zealand Certificate in Bituminous Surfacing Construction is for you if you are working in the surfacing sector on both small and large operations, building quality infrastructure.

HOW IS THE QUALIFICATION ACHIEVED?

The qualification will take around 12-18 months, depending on the strand selected. Achievement is through a combination of on-job learning and practical activities and candidates must complete all of the core components plus at least one of the three strands.

You must gain at least Level 1 of the NZTA approved programme 'Traffic Control' during this qualification.

People with significant industry experience may be able to achieve the qualification through Recognition of Current Competence (RCC). This is a process which recognises the skills and knowledge already gained from previous work and/or study.

WHERE CAN IT TAKE YOU?

Gaining this Level 4 qualification, combined with 8,000 hours of experience, will make you eligible to apply for Civil Trades Certification. Check with your Connexis Customer Service Account Manager (CSAM) for more information on Civil Trades Certification.

The New Zealand Certificate in Bituminous Surfacing Construction can also lead into qualifications in Infrastructure Works Site Supervision and First Line Management.

BENEFITS OF THIS QUALIFICATION

FOR YOU	FOR YOUR EMPLOYER
<ul style="list-style-type: none">• Formal recognition of your skills and knowledge – approved by industry• Become highly skilled in your field• Enhances your career prospects• Provides a springboard to further training and higher qualifications	<ul style="list-style-type: none">• Employees can work with limited supervision• Meets compliance requirements• Increased productivity• Higher standards – less rework• Greater safety awareness

ENTRY REQUIREMENTS:

It is recommended that people achieve the Level 3 New Zealand Certificate in Infrastructure Works and/or Level 3 New Zealand Certificate in Plant and Equipment Operation, or demonstrate equivalent knowledge and experience, before attempting this qualification.

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COMPANY NAME:		TRAINEE NAME:		PHONE:		NSN:	
UNIT STANDARD	LEVEL 4 (QUALIFICATION VERSION 1) NZQA REF: 2686					LEVEL	CREDIT
28678	Demonstrate knowledge of environmental protection and safety for bituminous surfacing production and application					4	10
28679	Demonstrate knowledge of bituminous surfacings and their uses					4	6
28680	Demonstrate knowledge of materials used in bituminous surfacing					4	6
28685	Describe the purpose and function of plant and equipment used in bituminous surfacing construction					4	6
28686	Demonstrate knowledge of key components of quality management for a bituminous surfacing site					4	6
9695	Examine problem-solving models and explain associated techniques					4	3
26781	Identify and liaise with people affected by activities at an infrastructure works site					4	3
BITUMINOUS MIXES STRAND							
28703	Demonstrate knowledge of mix design fundamentals and treatment selection for bituminous mixes					4	6
28704	Demonstrate knowledge of equipment and processes for laying bituminous mixes					4	6
28705	Interpret paving instructions and construct bituminous mix layers					4	14
28706	Complete records and take samples and tests for bituminous mix paving construction					4	6
CHIPSEAL STRAND							
28699	Demonstrate knowledge of chipseal design fundamentals and treatment selection for chipseals					4	6
28700	Demonstrate knowledge of equipment and processes for constructing chipseal surfacings					4	6
28701	Interpret chipseal design instructions and construct chipseal surfacings					4	14
28702	Complete records and take samples for chipseal construction					4	6
SLURRY STRAND							
28707	Demonstrate knowledge of mix design fundamentals and treatment selection for slurry surfacings					4	6
28708	Demonstrate knowledge of equipment and processes for constructing slurry surfacing					4	6
28709	Interpret paving instructions and construct slurry surfacings					4	14
28710	Complete records and take samples for slurry surfacing construction					4	6

FURTHER INFORMATION

BROCHURE VERSION 1

WANT TO ENROL OR FIND OUT MORE? CONTACT US AND WE'LL PUT YOU IN TOUCH WITH YOUR LOCAL CUSTOMER SERVICE ACCOUNT MANAGER

Infrastructure ITO

CONNEXIS
qualify for success

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