



Asphalt Pavement Construction Essentials



Domestic Fees

\$645 per person + GST



International Fees

\$645 per person + GST



Intakes

05/05/2026

16/06/2026

14/07/2026



Campus

Wellington

Auckland

Christchurch



Duration

Half Day



nziht.co.nz



This course is designed to enable both new and novice construction personnel to learn and understand the basic concepts and requirements to lay a quality chipseal/asphalt pavement.

On occasion a new staff member is thrown into a crew and is given a basic task to perform, yet they never really get to understand the total picture of what they are working towards. This course is designed to create a better understanding of all aspects of the construction process.

Topics include

- Basic Bitumen Safety and Hazard ID
- Chipseal and Asphalt Surfacing Types
- Planning the Job – Materials, Equipment and Subcontractors
 - Selecting the right mix
 - Paver/s
 - Rollers – type and numbers
 - Trucking – match to production/laying rate
 - Millers
- Marking out and measuring the Job
- Quality – Records and HOLD Points
- Chipseal Construction Basics:
 - Traffic Control/Hazard ID/Pre-Start
 - Binder types/heat/application rates/supply
 - Seal design basics
 - Single Coat/Two Coat
 - Chip sizes/application/rolling
 - QA
 - Excess chip removal
 - Line marking
- Asphalt Construction Basics:
 - Traffic Control/Hazard ID/Pre-Start
 - Preseal treatments
 - Asphalt type/thickness/density/tonnes required
 - AC Supply – manufacturer/deliver
 - Trucking – match production with laying rates
 - Mix temperature control
 - Mark out runs
 - Tack coating
 - Membrane sealing
 - Set up paver
 - Compaction Control
 - Using the correct roller
 - Mix laying temperatures
 - When to start/stop compacting
 - QA
 - Line marking
 - Client satisfaction

On completion of this course participants will

- Work safely on a surfacing job/project
- Distinguish; the various processes, roles and equipment used on surfacing sites
- Understand the basics of constructing a quality pavement surface

Who should attend

- Employees with limited surfacing knowledge who wish to gain a better understanding of the construction processes.
- Employees, with 'hands on' experience, who wish to understand why these processes are being followed.
- Engineers/consultants wishing to understand the practical aspects of bituminous surfacing.



Additional Information

Minimum numbers apply before a course is confirmed