



# Asphalt Pavement Construction Essentials



## Domestic Fees

\$645 per person + GST



## International Fees

\$645 per person + GST



## Intakes

14/07/2026



## Campus

Christchurch



## Duration

Half Day



[nziht.co.nz](https://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