



Bitumen - Basic Safety



Domestic Fees

\$795 per person + GST



International Fees

\$795 per person + GST



Intakes

21/07/2026

11/08/2026

21/09/2026



Campus

Auckland
Palmerston North
Christchurch



Duration

1 day



nziht.co.nz



It is absolutely essential that all those involved in any way with bituminous materials fully understand the significant hazards presented and the procedures used to ensure safety.

This is a required comprehensive safety awareness course for all personnel in the road surfacing industry and is presented with the aid of practical examples and videos.

It is a pre-requisite for other advanced courses for those handling, operating, maintaining or working near bitumen equipment or supervising the use of bituminous materials.

This course will assist with compliance with individual and company health and safety responsibilities.

Topics Include

- Introduction to bituminous materials including emulsions
- Health hazards, personal precautions
- Hazards when working around bitumen plants and hot-mix plants
- Hazards associated with field operations
- Importance of appropriate training
- Dangers of water
- Detailed discussion of first aid and the subsequent management of bitumen, emulsion and chemical burns incidents
- Dangerous goods, flash point, auto-ignition, safe distances
- Explosion hazards, empty tank hazards
- Maintenance hazards, spillage precautions and response
- Fire safety
- Miscellaneous associated hazards encountered in the road surfacing industry

On completion of this course participants will

- Identify basic hazards associated with bitumen, emulsions and hotmix asphalt road surfacing and

stabilising

- Identify specific hazards and safety procedures associated with the handling, blending, transportation and spraying of bituminous materials
- Recognise hazards involved in the maintenance and repair of bitumen equipment
- Carry out first aid procedures for bitumen and emulsion burns and know how to manage the interface with medical personnel
- Carry out first aid for chemical burns

Who should attend

All personnel involved in any way with road surfacing, especially those working anywhere in contractor's depots and maintenance workshops, chipsealing and asphalt paving workers, as well as those managing or supervising road surfacing operations including local authority and consulting engineering personnel.

A separate course named "Bitumen – Managing the Risks" is designed for contractor managers and supervisors. This course covers due diligence management aspects of the above issues.



Additional Information

Minimum numbers apply before a course is confirmed