



Frequently Asked Questions

Enviro Base

What is Enviro Base?

Enviro Base is a bitumen emulsion formulated with specific chemical additives tailored for stabilizing base course materials.

How is Enviro Base manufactured?

Enviro Base is manufactured utilising advanced and highly automated emulsion plants at Road Science manufacturing sites, ensuring precise control and quality.

Is Enviro Base a new product?

Yes it is however, the practice of emulsion-based stabilisation for base course has been extensively researched and established internationally.

Where can Enviro Base be applied?

Enviro Base can be used for stabilizing base course materials in localized patches or comprehensive rehabilitation. It is suitable for stabilizing existing in-situ materials as well as newly quarried materials.

What are the comparative advantages of Enviro Base over cement-based stabilisation methods?

Enviro Base provides enhanced flexibility and superior long-term waterproofing capabilities when compared to cement stabilisation techniques. It also offers improved safety for both workers and the general public during handling and application.

Why should you choose Enviro Base?

The majority of pavement failures observed in New Zealand are attributed to water-related issues. By utilising Enviro Base, customers significantly reduce the risk of water-induced failures in their pavements.

What is the curing time for Enviro Base?

Enviro Base exhibits instant curing properties upon injection into the base course. Once injected, the base course should be constructed as if it were an unbound pavement.

What is the cost of Enviro Base?

For detailed pricing information, please contact Phil Muir at Road Science to obtain a personalised quote.

Is kerosene required for the application of Enviro Base?

No, the application of Enviro Base does not use kerosene.

What is the expected lifespan of Enviro Base?

The longevity of Enviro Base depends on the quality of the material it stabilises. By employing Enviro Base, the designed material can reach its intended service life, even in scenarios where an unbound material would prematurely fail due to moisture susceptibility.

What future developments can be anticipated for Enviro Base?

Road Science is currently developing specialised plants that will ensure accurate injection of emulsion into localised patches, enhancing the precision of the stabilisation process.

Does Enviro Base contribute to reduced emissions?

Certainly, over the entire life cycle of a treatment, Enviro Base achieves approximately 40% reduction in emissions compared to cement stabilisation methods.