



Enviro Base



Helps to resolve these problems:



CRACKING



WATER PROOFING



CHIP LOSS



POT HOLES

Enviro Base is a stabilising bitumen emulsion engineered to enhance the performance of granular pavement construction. By incorporating bitumen into the granular material, Enviro Base effectively stops the risks of rutting and potholing, particularly during adverse weather conditions, through its superior waterproofing capabilities.

Where to use Enviro Base

Granular Construction: Experience the unparalleled benefits of Enviro Base by incorporating it into your granular base material during construction. This enhances the stability and resilience of your pavement from its very foundation.

Dig-outs and Pavement Repairs: When faced with the need for extensive excavation and repair work, Enviro Base serves as a solution, providing optimal stabilisation and preventing future damage.

Granular Overlays for Pavement Renewal: Breathe new life into worn-out pavements by applying Enviro Base as a granular overlay. This innovative approach rejuvenates your pavement's performance, improving its durability and extending its service life.

Stabilisation: Leverage the advanced properties of Enviro Base to stabilise various types of granular materials. Whether it's for roads, driveways, parking lots, or other applications, Enviro Base delivers exceptional results, ensuring the long-lasting integrity of your infrastructure.

Benefits:

- Improves wet strength of granular material.
- Helps reduce the level of dust emitted from the construction site.
- Can be used all year round.
- Does not require cement or lime eliminating the risk of cracking as it remains flexible
- Help prevent potholing.
- Help prevent first coat seal failures.

Habitat



Residential



Motorway

Specification

Typical properties of Enviro Prep

Binder content	ASTM D36	60% min
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Health & Safety

Enviro Base is a non-hazardous product which should be handled in accordance with Industry Code of Practice for the Safe Handling of Bituminous Materials.

In the event of a spill. Contain with sand or a suitably absorbent material and prevent access to water ways and drains.

Handling

Medium term storage temperature (up to 5 days)	15°C - 70°C
Long term storage temperature (beyond 5 days)	15°C - 70°C
Gentle stirring/circulation is required to prevent long term settling of the bitumen phase. Never allow Enviro Base emulsion to freeze, as due to the presence of water in the emulsion, the emulsion will break.	
Critical: Rate of heating	
The reheating of Enviro Base emulsion needs to be undertaken slowly with the rate of heating not exceeding 10°C per hour.	
Never heat beyond 90°C.	

Heating

Enviro Base does not require heating.

Mix Design Process

Consult with a member of the Road Science Technical Development Team to determine the mix design process

Construction

Enviro Base is designed to be added during the stabilization process in accordance with the;

NZTA B/5: 2008: Specification for in-situstabilisation of modified pavement layers

Equipment

Enviro Base can be applied using most standard stabilisation equipment.

Storage units used for holding Enviro Base must be clean from contamination. Rust or other contaminants will cause the emulsion to break and form bitumen lumps.

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