



## World Enzymes Australia

Combining innovative chemical technology with sound engineering principles

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### Dustmatt FAQ

Q] How long does it last between applications?

A] This is a very loaded question and has many variables to be considered, its biggest enemy are UV rays from the sun, it has a 5 year UV barrier built into the formulation. Having said that Dustmatt hold in the same way as bitumen, it holds the gravel from the bottom three quarters so that the traffic runs on the stone not on the Dustmatt. We have had up to 15 years in New Zealand but two years would make most engineers very happy. Tight bends and areas that take trucks turning tightly will wear ahead of straight roads.

Q] How heavy a load will it take?

A] This is not dependent on Dustmatt but on the soils and the level of compaction attained during construction, if a CBR (Californian Bearing Ratio) of 80 to 95 is obtained it will take any weight, this assuming the soils and gravels used are non - plastic.

Q] Can it be used on Mine roads and public roads as preparation for bitumen application?

A] Yes it can but most mine roads are of a temporary nature only the main arterial roads are long term normally. When preparing roads prior to bitumen Dustmatt can be used to hold together the construction, while awaiting the bitumen teams arrival.

Q] How durable with heavy rainfall.

A] Provided the construction, drainage and profiling is correct Dustmatt is water resistant in its nature. If the Dustmatt treated road is cured prior to the rainfall, normally an hour or two except of course under over hanging trees that will delay drying times.

Q] How much will one litre cover?

A] This will depend on the project in hand as Dustmatt can be used from 2% dilution to 30% dilution rates. Guide: for revegetation and stockpiles 2% to 15% this would also include non traffic areas for dust control. Roads from 15% to 30% depending on the traffic volumes and axle weights. 30% Dustmatt mixed into 70% water, this mix is the applied at one litre per square meter of surface area. This can be done in a two 15% coat application if required.

Q] Do soils have to be scarified and compacted between or during application?

A] Only if the surface requires re sheeting or the fines are loose and the surface uneven. Whatever the surface condition prior to application, it will be the same after treatment only it will be bound.

Q] If an area is treated and potholes occur do you have to fill with soil, water and Dustmatt or fill with soil& water with Dustmatt?

A] Potholes should not appear in non - plastic soils they normally simply unravel into corrugations, Dustmatt correctly applied will not allow this to happen. Should there be an accident that damages a section of treated road it can be repaired in the normal way using the correct dilution rate mixed with the soils and then compacted.

Information prepared by Brian Jackson

THANK YOU FOR YOUR INTEREST!