

# TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA  
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

## ENVIRONEX

### MATERIAL & FUNCTION

The dust control effect of ENVIRONEX is such that the smaller dust particles on the road surface are cemented together with such tenacity that they form dust particles too large for airborne transmission hence dramatically lessening dustiness of gravel roads.

ENVIRONEX has no hygroscopic characteristics and therefore does not attract moisture. As such ENVIRONEX will not affect subsequent applications of bitumen or asphalt. Unlike some compounds, ENVIRONEX has a neutral pH. This combined with other factors in the formulation ensure no noticeable corrosion increases in vehicles using roads treated with ENVIRONEX.

To ensure maximum penetration of ENVIRONEX, a highly concentrated long-term soil wetting agent has been incorporated into the formulation. Once cured ENVIRONEX has a high resistance to water, and gravel roads treated with ENVIRONEX are only very slowly subject to the leaching effects of subsequent water applications.

The application of water to the gravel road surface will cause the ENVIRONEX to re-activate and re-cement particles of dust, which may have been created from the grinding effects of tyres. On drying out of the water, the recementing process will be completed.

### APPLICATION

For best results, a satisfactory gravel road base must first be in place with sufficient fines and binding fractions of soil and clay. For maximum dust control ENVIRONEX concentrate must be applied at 250-500 mls/sq metre. Application is effected by diluting the concentrate 1:5 or 1:10 with water and applying diluted fluid at the necessary rate to achieve 250-500 mls/sq metre of concentrate. The road surface should be turned over using a grader to ensure even distribution of ENVIRONEX to a depth of 75 -125 mm. The soil used for construction of the road should be re-compacted at optimum moisture content to achieve maximum compaction.

If scarifying, grading and re-compaction are not feasible ENVIRONEX may be topically applied using a watering truck, however due to the very nature of road construction which causes the shedding of water to the sides of the road, several light applications of ENVIRONEX must be applied to achieve maximum penetration of the product. A dilution rate of 1:10 should be used and an application rate of 1 litre/sq metre per application and 4 to 5 applications should be made to achieve a penetration of approx 25 mm into the road surface.

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Further applications are reduced by at least 50% and should be undertaken according to dustiness of the road.

## CLEANING

Spray equipment must be thoroughly rinsed with water and a detergent based product such as S21 before and immediately following use. It is most important to clean lines and spray heads promptly, before the light-activated curing system produces hard insoluble deposits of resin - usually within 1 hour of evaporation. If this situation occurs use of ENVIROSHIELD 400 will provide complete cleaning of equipment.

## TECHNICAL SPECIFICATIONS

### **Base**

A blend of specially modified cellulose based polymers and surfactants.

### **Colour**

Dark brown/black.

### **S.G.**

1.09

### **Viscosity**

Approx 350 cps

### **Odour**

Sweetish odour.

### **Hazard**

Totally non hazardous.

### **Toxicity**

Nil

### **Eco-compatibility**

Will not harm the environment.

## STORAGE

ENVIRONEX may be stored for at least 6 months. Containers must be protected from frost

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and direct sunlight and should be kept undercover until required. If stored for lengthy periods, ENVIRONEX drums should be agitated 24 hours before use.

## **PACKAGING**

15, 200, 1000L containers.

## **IMPORTANT NOTICE TO CUSTOMER**

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product, which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***