



# Road Bind 500

## Technical Data Sheet

GEOLOC Road Bind 500 is a spray applied environmentally safe high-performance acrylic co-polymer coating that creates nano composites within the soil fabrics and modifies the soil micro-structures for dust and erosion control in the soil stabilization field. Extremely effective in stabilizing soil particles thus creating durable, long lasting roads. For use including staging areas, stock-piles and tailing ponds. GEOLOC Road Bind 500 lowers project costs and replaces traditional methods such as rock for sub-bases and geo grids, hydroseed, matting, etc. for erosion control.

When applied, GEOLOC Road Bind 500 will penetrate the soil. Upon curing it will bond the soil particles with a nano polymerized grid. This will laminate the soil particles in place creating tensile strength to avoid fracturing. The treated area becomes very resilient to wear and our unique elasticity ensures the road will survive heavy vehicular traffic, rain, snow and various conditions that can wear down a road. The product is non-hazardous, dries odorless and transparent. Free from any by-products, Carcinogenic Polycyclic Aromatic Hydrocarbons (PAH), Chlorine Chlorofluorocarbons (CFC), Chromate, Hexavalent-Chromium, Lead, Mercury, Off-grades, Ozone Depleting Substances (ODS) and Polycyclic Organic Matter (POM).

### Features and Benefits:

54 to 56% active solids • Increased flexibility and tensile strength • Easy to Apply • Non-Hazardous • Reduce soil loss • Non-Corrosive • Does not leach • Eliminates Fugitive Dust – PM10 & PM2.5 • Works with in-situ soils • Increased traction • Reduces water penetration • Increased flexibility and tensile strength • Eliminates the need to re-grade • Stays hard when wet • Increases load bearing strength • Performs even under freeze/thaw conditions • Easy to Apply • Dries odorless • Dries clear • Dyes can be added for color • Increases CBR strengths to pavement/concrete levels • No VOC's • Non-Flammable • UV Stable

### Coverage:

Road and Erosion Stabilization:

Concentrate is diluted 1:6 with water. **Light traffic:** 1.5 sq. metre per Litre **Heavy traffic:** 1 sq. metre per Litre.

Color (Liquid) to (Cured)	White to Clear	Vapor Density (Water=1)	<1 Water
% solids w/w	54-56%	Water solubility	Dispersible
PH	4.0 to 6.0	Density	8.900 – 9.100 lb./gal
Odor	Sweet	VOC's % by weight	1.1
Low Temp Flex	-7°C	Freeze/Thaw Stability (liquid)	Apply above 5°
Viscosity, dynamic	125 – 1,125 CPs	CBR (California Bearing Ratio)	Passed

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