

ENVIROTAC II

Letter of Introduction

Environmental Products & Applications is the innovative leader for dust and erosion control in the soil stabilization field. Our product, *Envirotac II*, is an acrylic copolymer that is extremely effective in stabilizing soil particles creating durable, long lasting roads. It will lower job costs and replace traditional rock sub-bases.



Envirotac II being applied.

Envirotac II when applied will penetrate into the soil, bonding the soil particles, and cementing them in place. The treated area becomes very resilient to wear and our unique elasticity ensures the road will survive the onslaught of vehicular traffic, rain, snow and various conditions that can wear down a road. The product is non hazardous, dries orderless, and transparent.

Envirotac II is very affordable. In most cases the cost for material is around \$0.05 a square foot. Only a nickel per square foot to successfully treat a road! For dust control areas without traffic the cost is less than one penny per square foot!

History: Environmental Products and Applications has been in the soil stabilization business for over 20 years. Our product *Envirotac II* is the most used dust control chemical by the United States Military in the Middle East. It is used for roads, helicopter pads, runways, etc. It was at Camp Rhino, Afghanistan where it received its colorful moniker Rhino Snot, when it was used to prevent helicopter "brown outs" a problem that is caused by loose blow sand, reducing visibility.

I would like opportunity for your organization to use our product so that it may experience the benefits of *Envirotac II* as the solution for its soil stabilization needs.

Respectfully,

John Vermillion

John Vermillion
President



Envirotac II has been used by the following agencies/ companys:

<i>United States Army</i>	<i>United States Marines</i>	<i>United States Navy</i>
<i>United States Air Force</i>	<i>Army Core of Engineers</i>	<i>Rio Tinto</i>
<i>Granite Construction</i>	<i>Asarco</i>	<i>Freeport-McMoRan</i>
<i>Skanska</i>	<i>Ames Construction</i>	<i>Tutor Saliba</i>
<i>United Nations, Haiti relief effort.....and so many more</i>		

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Application Instructions (road, no compaction)



1) Pre-water road



2) Pulverize or scarify ground to depth of 2 to 4 inches



3) Pre-water disturbed road.



4) Mix one part Envirotac II to 12 parts water



5) Apply Envirotac II solution to disturbed road



6) Wind roll soil to the center of the road



7) Apply same mix of Envirotac II



8) Blade soil at center to grade.



9) Apply one coat of Envirotac II



10) Roll area to 95% compaction



11) Apply final topical coat of Envirotac II



12) Finished road is hard as a rock!

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Applications / Uses

Envirotac II has a wide range of uses. The desired effect or level of protection is determined by the amount of Envirotac II applied to the treatment area. Envirotac II is the environmental solution for soil stabilization to control dust and erosion.



Unpaved Road Stabilizer



Subbase Stabilizer



Construction Site Dust Control



Helicopter Landing Pads



Dirt Runways Stabilizer



Heavy Haul Road Stabilizer



Slope Erosion Control



Mine Tailings Dust Control



Trail & Path Stabilizer



Hazardous Site Sealing



Added color for visibility



Parking Lots

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Application Equipment

Envirotac II is simple and easy to apply. Virtually any equipment capable of spraying water can be used to apply Envirotac II. Envirotac II is water-soluble and will not damage equipment if rinsed after use. **Self mixes with water, no agitator needed!** We offer full application services, training, consultation or basic material supply.



Water Truck



Computerized Spray Bars



Tractor-trailer Tankers



All Terrain Ag Tractors



Hydroseeder (hose or canon)



Tow Behinds



Military Sprayers



Helicopter Drops



Tailing Pond Machines



Gravity Flow



Mining Tankers



Crop Duster



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Frequently Asked Questions

Prices	As the manufacturer of Envirotac II, we offer Factory Direct Prices. Envirotac II is priced per gallon / liter.
Discounts	Discounts are based on volume. Substantial discounts are available with full truckloads (4,400 gallons +).
Payment Terms	COD or Net 30 upon approved credit.
Payment Method	We accept Cash, Checks, Visa, Mastercard, American Express, and all government Procurement Cards.
Bids / Proposals	We can provide material supply, shipping, consultation and application for any size project. Formal bids and proposals are available.
Minimum Order	Envirotac II can be purchased in volumes as small as a 55 gallon (208 liters) drums.
Availability	40,000 gallons (113,000 liters) of Envirotac II are available on an immediate basis.
Cure Time	Envirotac II will cure within 4-24 hours depending on the temperature.
Penetration Depth	Normal surface treatment penetrates 3/4" (2cm) deep. Application method, soil type and compaction are the determining factors.
Cold Weather	Cold weather will increase cure times.
Freezing	Freezing Envirotac II is not recommended. Polymers will coagulate and decrease the original strength.
Shipping	Envirotac II can be shipped anywhere U.S. and to any shipping port Internationally
Normal Life Span	Unpaved Roads: 12 to 24 months before reapply. Dust Control 12 to 36 months. We can custom design longer/shorter periods as needed.
Follow-up Applications	Once the application has reached the limits of it's longevity , a follow up application is necessary to restore & rejuvenate its optimal performance. Reapplying Envirotac II to previous area requires usually only 20% of the original application amount to achieve the same results.
Soil Type	Envirotac II will perform with an soil type. Different soils require different application rates.
Rain/Precipitation	Envirotac II does not dissipate (wash away) with rain. Heavier concentrations, will actually waterproof the treated surface.
Salt Water	Envirotac II is designed to be diluted with fresh water. Salt water dilution is not recommended. Salt water will chemically weaken the original strength.
Cleaning	Envirotac II is water-soluble. Application equipment should be rinsed out after application. If cured, use a de-greasing agent and hot water.

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Application Rates

Application Description	1 Gallon Coverage** (Undiluted)	Dilution Ratio Water: Envirotac II
	Pond Lining 15-20 ft²	4:1
	Helicopter Landing Pad 24-26 ft²	4:1
	Mixed/Scarified Into Soil (3"-6" depth) 18-26 ft²	multiple*
	Heavy Haul Roads 24-28 ft²	4:1
	Unpaved Road (Surface) 35-60 ft²	4:1
	Slopes (non traffic) 170-220 ft²	7:1
	Dust Control (non traffic) 210-390 ft²	9:1
	Mine Tailings 210-450 ft²	10:1

* Request application instructions

**Coverage rates differ on traffic volume, traffic weight, soil type and compaction.