



Armor Guard Soil Stabilizer

Letter of Introduction

Armor Guard is the innovative leader for dust and erosion control in the soil stabilizing field.

Armor Guard 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.

Armor Guard 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 odorless, and transparent.

Armor Guard

History: **Armor Guard** has been in the soil stabilization business for over 20 years. Our product, **Armor Guard** 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.

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

Respectfully,

Robert Millard

Robert Millard
President



Armor Guard has been used by the following agencies/ companies:

United States Army
United States Air Force
Granite Construction
Skanska

United States Marines
Army Core of Engineers
Asarco
Ames Construction

United States Navy
Rio Tinto
Freeport-McMoRan
Tutor Saliba

United Nations, Haiti relief effort.....and so many more



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Applications / Uses

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

Unpaved Road Stabilizer



Helicopter Landing Pads



Subbase Stabilizer



Dirt Runways Stabilizer



Construction Site Dust Control



Slope Erosion Control



Hazardous Site Sealing



Added color for visibility



Parking Lots





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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 Armor Guard to 12 parts water



5) Apply Armor Guard solution to disturbed road



6) Wind row soil to the center of the road



7) Apply same mix of Armor Guard



8) Blade soil at center to grade.



9) Apply one coat of Armor Guard



10) Roll area to 95% compaction



11) Apply final topical coat of Armor Guard



12) Finished road is Hard as a rock



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Application Equipment

Armor Guard is simple and easy to apply. Virtually any equipment capable of spraying water can be used to apply **Armor Guard**. **Armor Guard** 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



Hydro-seeder (hose or canon)



Tow Behinds



Military Sprayers



Helicopter Drops



Tailing Pond Machines



Gravity Flow



Mining Tankers



Crop Duster



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Application Rates

Application Description	1 Gallon Coverage** (Undiluted)	Dilution Ratio Water: Armor Guard
Pond Lining	15-20 ft ²	4:1
Helicopter Landing Pad	24-26 ft ²	4:1
Mixed/Scarified Into Soil (3"-6" depth)	18-26 ft ²	multiple*
Heavy Haul Roads	24-28 ft ²	4:1
Unpaved Road (Surface)	35-60 ft ²	4:1
Slopes (non traffic)	170-220 ft ²	7:1
Dust Control (non traffic)	210-390 ft ²	9:1
Mine Tailings	210-450 ft ²	10:1

* Request application instructions

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



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PRICES	Armor Guard is priced per gallon / liter. 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.
AVAILABILITY	40,000 gallons (113,000 liters) of Armor Guard are available on an immediate basis. Armor Guard can be purchased in volumes as small as a 55 gallon (208 liters) drums. Armor Guard can be shipped anywhere U.S. and to any shipping port Internationally.
PENETRATION DEPTH	Normal surface treatment penetrates 3/4" (2cm) deep. Application method, soil type and compaction are determining factors.
FREEZING	Armor Guard is not recommended. Polymers will coagulate and decrease the original strength. Armor Guard will cure within 4-24 hour depending on the temperature. Cold weather will increase cure times.
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. Once the application has reached the limits of its longevity, a follow up application is necessary to restore & rejuvenate its optimal performance. Reapplying Armor Guard previous area requires usually only 20% of the original application amount to achieve the same results.
SOIL TYPE	Armor Guard does not dissipate (wash away) with rain. Heavier concentrations, will actually waterproof the treated surface.
SALT WATER	Armor Guard is designed to be diluted with fresh water. Salt water dilution is not recommended. Salt water will chemically weaken the original strength. Armor Guard is water-soluble. Application equipment should be rinsed out after application. If cured, use a de-greasing agent and hot water.