

Earth Armour 7100

Frequently Asked Questions

1. What is Earth Armour 7100?

Earth Armour 7100 is an environmentally friendly organic fluid that works to agglomerate fine silt or clay particles making them larger so they cannot become airborne. It is applied topically without a requirement for addition of water. The advantage is that it is long lasting and is not destroyed by mechanical damage to the surface by heavy or tracked vehicles. Earth Armour 7100 works by ballasting and agglomerating small particles, providing binding and densification of the surface. The natural penetration and action of the traffic 'work' the Earth Armour 7100 into the surface.

2. Is Earth Armour 7100 safe for the environment, personnel and equipment?

Yes, it is a safe, colorless, odorless, highly refined fluid. When used as directed, Earth Armour 7100 has no adverse health effects to people or equipment. Beyond normal hygiene, no special precautions are required. It is not a controlled substance under OSHA or WHMIS and has no exposure limits. Extensive acute and chronic toxicity testing data conclusively shows that it does not induce a toxic reaction when it is exposed to skin, eyes or lungs. It is also biodegradable and rigorous quality assurance control at every stage of the manufacturing process ensures the consistency of Earth Armour 7100.

3. What is Earth Armour 7100 used for?

Earth Armour 7100 is applied to unpaved roads, haul roads, helicopter landing zones, tank trails, parking lots and unpaved open areas (concert venues, ball diamonds, construction sites, etc.) for environmentally safe dust control. It is particularly well suited for environmentally sensitive areas and areas where maintaining natural aesthetics is a priority.

4. How does Earth Armour 7100 work?

Earth Armour 7100 is applied and given approximately two weeks to coat and impregnate every soil or aggregate particle. However, you are able to use the area immediately. As the soil or aggregate is conditioned with Earth Armour 7100, you will notice a dark, almost wet look that exists immediately upon application will, over a period of week change to a lighter, dryer look. It is in this process of visible change that you know the Earth Armour 7100 is working its way through and into all of the particles. The Earth Armour 7100 approach to controlling dust is consistent with sound soil and aggregate principles. Earth Armour 7100 interlocks and binds loose soil and aggregate. Earth Armour 7100 captures fines as they are generated by traffic and wheel friction and keeps them in the surface, preventing them from escaping as dust.

5. How much Earth Armour 7100 will I need?

A Midwest representative can answer that question by taking into consideration the area you need treated, type of traffic, type of soil and site specific needs for dust control and stabilization. Call 1.800.321.0699 or 330.456.3121 to find out.



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6. How do I apply Earth Armour 7100?

There are many equipment options available for application of Earth Armour 7100. Hydroseeding systems, either trailer mounted or skid mounted (multi-functional with spray bars, hose reels, and tower guns), scraper mounted water distribution systems, water trucks, and asphalt spreaders will also work well. Centrifugal pumps work best and require less maintenance. Because Earth Armour 7100 is applied neat (without addition of water), metered spray trucks with appropriate sized spray nozzles are required for application. Watering trucks are designed to apply much larger volumes of product and would require modification to apply Earth Armour 7100. Midwest has developed the E-Sprayer™ System which provides rapid and efficient application of dust suppressant chemicals via a spray bar or fire hose. This unit is self contained and very effective. Midwest also offers complete Turnkey Delivery and Application Services and Dust Control Service Programs.

7. What personnel would be required to spray Earth Armour 7100 and is there any special training required?

Midwest can provide all support necessary for application including our personnel operating in secure environments with you. We are also available for engineering support and training as required.

8. Do I need to add water to dilute Earth Armour 7100 before applying?

Earth Armour 7100 does not need to be diluted with water. It is not water soluble. It is applied neat.

9. Will I still need to use water?

No. Earth Armour 7100 eliminates the need to use water.

10. How do I clean Earth Armour 7100 out of my equipment after application / use?

Drain lines, pumps and tanks of Earth Armour 7100 after use. Our Organic Dust Control products are non-corrosive and non-binding to equipment so no special cleaning is required. Dawn dish soap works well.

11. Will Earth Armour 7100 freeze during cold, winter weather?

No, Earth Armour 7100 will not freeze even at -40° F. Therefore it is ideal in cold climates where there exist concerns of temperatures affecting the ability to have dust control.

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12. Will Earth Armour 7100 burn the grass in surrounding areas?

No, generally it will not burn grass. However, if a large amount of Earth Armour 7100 has saturated a grassy area rinsing with water and a small amount of Dawn dish soap is suggested. Otherwise, the Earth Armour 7100 may act to intensify the sun much as tanning oil does.

13. How are your products packaged and shipped?

Available Packaging:

- 5 gallon (20 liters) Plastic Pails
- 55 gallon (208 liters) Plastic Drums
- 275 gallon (1,050 liters) Refillable Steel-Caged Plastic Totes
- 2,000 gallon (7,570 liters) Container Bladders
- 5,000 gallon (18,925) Bulk Tanker Truck Loads (U.S. and Canada Deliveries Only)
- 20,000 gallon (75,700 liters) Railcar (U.S. and Canada Deliveries Only)

How soon will my order be shipped?

Orders are fulfilled and shipped within 24-48 hours upon receipt.

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Advantages

- **Apply Neat (Requires no water)**
- **Biodegradable**
- **Easy to Apply**
- **Dries Clear**
- **Non-Flammable & Non-Volatile**
- **Non-Hazardous**
- **Non-Corrosive**
- **Safe for All Equipment**
- **Environmentally Safe**
- **Water Resistant**
- **Non-Tracking & Non-Transferable**
- **Non-Leaching**
- **Ultraviolet Ray Resistant**
- **PM10 & PM2.5 Compliant**