



*Effectively suppress
dust in places where
uncontrolled dust is
not an option.*

Destroy Dust - Not the Environment

Earth Armour® was formulated to be as gentle on the environment as it is tough on dust and unstable surfaces. Like all Midwest products, our environmentally friendly Earth Armour® not only significantly reduces costs but also requires far less labor compared to other methods.

Vital statistics

- Safe for both people and the environment
- Effective for reducing particulate matter (PM10 and PM2.5) pollution
- Can be reworked without the need for reapplication
- Does not evaporate or leach out of the surface
- Performs well under extreme temperatures
- Can be stored at temperatures down to -50° F
- Readily biodegradable in natural environments
- Compatible with all types of soils and aggregates
- Insoluble in water
- Certified non-corrosive by Boeing

Why Earth Armour?

Treating a symptom like dust is merely a temporary solution. Midwest goes after the *root cause* of a problem like surface instability and works tenaciously and without compromise until we find the optimal solution. In this case, the solution is Earth Armour®. Earth Armour® quickly penetrates dust and remains actively effective on clay, sand, gravel, limestone, and most native soils regardless of the weather or traffic severity. As fines are generated, they are captured, preventing them from escaping as dust.

Earth Armour® is cost-effective for controlling PM10 and PM2.5 from open fugitive dust sources, unpaved roads, and gravel runways. It provide longer-lasting performance and require fewer applications than other dust control and surface stabilization methods regardless of season.

Preserving Gravel Runways in Cold Regions

Earth Armour® stabilizes compacted gravel runway surfaces, enhances their strength, and extends their service life. Designed for extreme temperatures, Earth Armour® is applied neat, remaining active and reworkable. The result? Up to an 80% reduction in dust levels. Treated runways save two to five cubic meters of fines with every takeoff and landing. Additionally, the Alaska Department of Transportation (AKDOT) has relied on Earth Armour® for the past 10 years.

Portable 1500 Spray System with Technical and Application Support



Managing road dust with Earth Armour® can save thousands of dollars annually during the life-cycle of a surface.

Compare Earth Armour® to Other Dust Control Methods

Performance Benefits	Earth Armour®	Road Water	Asphalt Salts ¹	Petroleum Emulsions	Resins	Lignin
Longer lasting	●			●	●	
Year-round protection	● ²		●			
Passes EPA static sheen test	●	●	●			
Non-petroleum product	●	●	●			●
Colorless	● ²	●	●			
Not water-soluble/cannot be diluted	●					
No poly-nuclear aromatic hydrocarbons (PAH)	●	●				●
Will track				●	●	●
Sprayable gallons required for a 1-mile x 30' wide road	1,800	550,000	8,825	18,480	13,200	5,280
Storm drain risk	Low	Low	High	High	High	High

Conventional dust control methods can create greater problems than the dust itself—lingering environmental and health concerns, for example. Alternatives like water provide short-term solutions that involve labor-intensive, multiple applications.

¹Road salts are sodium chloride, calcium chloride, potassium chloride, magnesium chloride and ferrocyanide salts.

²Earth Armour® passes the EPA static sheen test and is colorless.