

DustStar®

DustStar® is an all-natural adhesive used to bind dust, gravel or soil particles together. DustStar is the ultimate product for use in environmentally sensitive areas.

Advantages

- Reduction of road maintenance
- Cleaner air quality
- Reduced equipment maintenance due to dust related problems
- No stick oils
- Salt free formula, no corrosion to equipment or damage to vegetation

Main Applications

- Construction
- Mining
- Light duty roads
- Landfills
- Logging
- Agriculture

Environmentally Safe

Derived from 100% natural polymer, DustStar is free of damaging chloride salts, sticky and odorous petroleum compositions, contaminants, and toxins. Its application is completely safe for the environment, plants and animals.

Binding

As an adhesive, DustStar efficiently binds dust, gravel, and soil particles to create a firm, durable surface, eliminating destructive erosion caused by wind, water, and vehicles

Moisture Retention

The hydrophilic nature of DustStar organic polymer allows the product to readily absorb and retain water to aid in dust suppression.

Cost effective

Offering a consistent price point year-round, DustStar is one of the most economic dust suppressants available on the market.

Storage, Handling and Safety

DustStar exhibits good storage stability if kept dry in its original package. Shelf life can be affected by storage conditions such as temperature, humidity and overall surroundings of the storage area. A Safety Data Sheet is available from Chemstar and should be consulted prior to handling or use.

Availability

DustStar is completely manufactured in the United States. For your convenience, it is packaged in 50-pound bags.

Mixing Procedure

Fill the tank with water to the bottom of the agitator. Start the agitator and set it to the maximum RPM level. Continue to fill the tank while slowly adding DustStar. Avoid rapid addition of DustStar as this could lead to excessive balling. Dilute with additional water until desired consistency achieved.



Application of Non-Traffic Areas

Best performance is achieved by applying DustStar as a viscous concentrate containing 4 – 6% solids. A viscous solution provides controlled penetration into the soil while keeping an optimum level of the product at the surface where performance is crucial.

Application of Light Traffic Areas

Apply DustStar as a thin fluid containing 2 – 3% solids. The thin fluid in combination with multiple passes during application allows the product to deeply penetrate the surface of the road. Maximum performance is achieved by scarifying the surface of the road prior to application followed by rolling.

Typical Addition Rates

DustStar	
Non-Traffic Areas*	
Flat	100 – 200 lb/acre
Sloped	200 – 400 lb/acre
High Wind	200 – 400 lb/acre
Light traffic areas	500 – 1000 lb/acre
*To garner improved performance, add 200lbs of fiber mulch or apply over straw.	

Typical Analysis

DustStar	
Bulk Density (lb/ft ³)	30 – 40
Ash (%)	< 2
pH	6.5 – 8.0
Particle Size (% thru)	100 (-) 850 microns
Moisture Content (%)	10 max
Water Holding Capacity (%)	900+
Settleable Solids (%)	< 2

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