

ZI-CHEM 57A0 Dust Suppressant

HIGHLIGHTS

ZI-CHEM 57A0 is a proprietary blend of polymer designed for use for multiple applications including mine haul roads, stockpiles, longwall mining, preventing the creation of windborne dust, and thus protecting the environment.

ZI-CHEM 57A0 is designed to accelerate water penetration in areas where dust is a hazard. When used according to instructions, it reduces the total water volume consumed for dust suppression purposes. Repeated applications have a cumulative effect, maintaining subsoil moisture content for long periods, depending on soil types, traffic and weather conditions.

TYPICAL PROPERTIES

- Appearance: Light yellow liquid
- Specific gravity: N/A
- pH (1% sol): 6.0 – 8.0
- Viscosity: 1000 - 1750 cps

PRIMARY APPLICATIONS

ZI-CHEM 57A0 is applied as a 10% w/w solution to the surface of a stockpile by means of pipe and spray either by stake sprayer, a rain gun or a sprinkler over the material so as to increase by 1% the surface moisture.

FEEDING & CONTROL

ZI-CHEM 57A0 should be diluted in a site mixing tank with raw water then injected to the system using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, viton, Teflon and stainless steel.

Your ZI-CHEM technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

THE BENEFITS

- Reduced water usage
- Reduced handling costs
- Increase hauling rates
- Increase road safety
- Environmental friendly

COMMON APPLICATIONS

- Unpaved roads
- Truck terminal
- Intermodal rail yards
- Quarry and mine operations
- Soil stabilization
- Landfills
- Coal or ore stockpiles

PACKAGING

- 200 kg Drums
- 1100 kg IBC Tanks

HANDLING & SAFETY

ZI-CHEM maintains a database of material safety data sheets (MSDS) on all our products.

These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel. offer detailed site surveys to review your situation

