

ZI-CHEM 9250

Coal Dusting & Self Combustion Controlling Agent

HIGHLIGHTS

ZI-CHEM 9250 is a specialized coal dusting and self-combustion controlling agent formulated to reduce the risk of spontaneous combustion in stored coal. When sprayed as an aqueous solution onto the coal pile, ZI-CHEM 9250 forms an air-dried polymer emulsion coating on the coal surface.

The surface-active agent in ZI-CHEM 9250 improves the wettability of the polymer emulsion and coal surface, leading to the formation of a strong binding layer on the surface of the coal pile. This process effectively reduces coal dusting and coal oxidation, preventing heat buildup and minimizing the potential for self-combustion. As a result, ZI-CHEM 9250 ensures the safe and efficient storage of coal for prolonged periods while preserving coal quality.

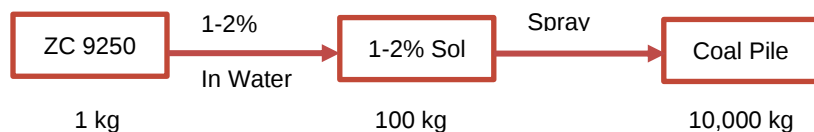
TYPICAL PROPERTIES

- Appearance: White Milky Emulsion
- Specific gravity: 1.0 – 1.1
- pH: 8.0 – 9.0
- Viscosity: 100 cps max
- Solubility in water: Good

PRIMARY APPLICATIONS

ZI-CHEM 9250 is diluted with water at 1~2% of the concentration to the surface of a stockpile by means of pipe and spray either by stake sprayer, a rain gun, or a sprinkler over the coal in 1~2% of coal weight of on to the coal pile.

Example:



However, it is possible to alter the concentration and amount to spray according to the purpose or the condition. For controlling the temperature rise in coal pile during a long time of storage, it is advisable to spray 3% of aqueous solution of ZI-CHEM 9250 with 2 lt/m² of the ratio.

FEEDING & CONTROL

ZI-CHEM 9250 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 application on an ongoing basis.

THE BENEFITS

- Minimizes the risk of fire and related safety and health hazards in coal stockpiles
- Enhances the quality of coal by reducing the loss of combustible materials due to self-combustion
- Cost-effective and easy to use

COMMON APPLICATIONS

- Coal stockpiles

PACKAGING

- 200 kg Drums
- 1000 kg IBC Tanks

HANDLING & SAFETY

ZI-CHEM maintains a database of safety data sheets (SDS) 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.

