

ZYCOSOIL PRODUCT TECHNICAL INFORMATION

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Zycosoil was designed and is intended for use as a water repellent for a wide variety soil, ash, gravel and aggregates. After numerous lab and field tests, specifications were created to provide marketers, applicators and engineers with guidelines for use of this new technology. Included within the specifications is a range of estimates for yield and dilution factor. It is important to note that there are virtually tens of thousands of soil types throughout the world, thus it is recommended to test individual soil types whenever possible to determine the optimum dilution and application technique for both performance and economic purposes. Please contact one of the many Zydex distributors or representatives for questions that may not be covered in this paper.

Zycosoil Technical Information

Color	Clear to pale yellow
Solid content	45-50 %
Solvent	Ethylene glycol
Flash Point	80°C, Non flammable,
Viscosity (25 °C)	200-800 CPS
Solubility	Soluble in water in all proportions Soluble in methanol, ethanol and isopropanol

Application Guideline

Yellow Soil & Red soil Dilute 1 part of Zycosoil with 100 parts water and apply to the surface through a spray application or water truck. To ensure appropriate blend, be sure to mix 100 parts of the soil with 20-25 parts of diluted Zycosoil solution and allow it to dry under atmospheric conditions.

Black cotton soil Dilute 1 part of Zycosoil with 100 parts water and apply to the surface through a spray application or water truck. To ensure appropriate blend, be sure to mix 100 parts of the soil with 20-25 parts of diluted Zycosoil solution and 40-50g of water. Allow surface to dry under normal atmospheric conditions. Please note that black cotton soil requires more water for wetting and uniform treatment of Zycosoil.

Gravel and Aggregates Dilute 1 part of Zycosoil with 150 parts water and apply to the surface of through a generous spray application, bath or water truck. Be certain to treat all sides of the aggregate or gravel and ensure that it remains wet for more than 10

Seconds to ensure good penetration. Allow material to fully dry under normal atmospheric conditions or under modest temperatures not exceeding 200 degrees C.

ZYCOSOIL DILUTION & YIELD TABLE (Estimates)		
Soil Type	Dilution Ratio: (Z : H2O)	ZycoSoil per Acre
Coal Ash	1:200	88 lbs / 40kg
Sandy soils	1:150	132 lbs / 60kg
Silts	1:100	176 lbs / 120kg
Clays	1:75	220 lbs / 150kg
Aggregates	1:150	132 lbs / 150kg



**Pacho, Colombia Field Tests
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