

SOILGRIP

Soil Stabilizer and Dust Control Environmentally Friendly Emulsion

Description:

SOILGRIP is a mix of environmentally friendly co-polymer soil stabilizer and dust control emulsion product. SOILGRIP allows for high polymer soil cross linking and forms resilient crust with excellent characteristic in stabilizing the soil. SOILGRIP can be used for various types of application for stabilizing the soil with lower cost compared to other conventional products.

Uses:

SOILGRIP used as:

- Dust control for open areas next to airports and stadiums.
- Erosion control in areas where high wind is anticipated.
- Hydro-seeding.
- Landscaping to prepare temporary roads, flat surface areas.
- Control of airborne dust.
- Stabilize sand dunes next to projects and urban developments.

Advantages:

- Nontoxic and environmentally friendly.
- Biodegradable.
- Excellent resistance to erosion.
- Can be used in Hydro-seeding.
- Harmless to Flora & Fauna.
- Does not contaminate ground water.
- Contains soil wetting agents.
- Fully compatible with organic mulch and water dispersible pigments.
- Excellent resistance to Ultraviolet rays.
- Excellent resistance to erosion.

Instructions for Use:

Surface Preparation:

Level and grade land as specified. Remove debris or any material that might obstruct spray application.

Use clean suitable soil with low chloride and sulphate contents within standards limits.

Compaction of soil will improve its ability to bear pedestrian movement but this step is not essential to soil stabilization and dust control.

As far as possible, all construction within the area designed for stabilization should be completed in order to avoid subsequent vehicular traffic that will disturb the stabilized ground.

Mixing:

Mixing is not critical as long as care is taken to ensure thorough coverage at the intended square meter per liter. The dilution will always vary with the moisture contents of the soil and the type of application and result desired.

In case of mixing mulch or other ingredients, the spray equipment should be used with the following essential features:

- A tank fitted with a strong agitator to keep the mulch in suspension.
- A non-clogging pump.
- Spray hoses and nozzles.

Application:

A suitable spray equipment should be used for application. The mix can be applied from a water truck, hydro seed truck, and spray rig, gravity feed from a tank of drum. Add SOILGRIP to water and spray on hills, cut banks, dust sand dunes areas or other surfaces where wind and water erosion or dust control are problems.

It is recommended to apply SOILGRIP in two to three coatings with compaction to achieve high soil erosion control. The first coat mix should be prepared with a diluting ratio of 1:6 (depending on surface absorbing status) before applying the second coat as recommended in the below table.

SOILGRIP should not be applied onto surfaces likely to suffer from sudden rain till curing takes place.

SOIL GRIP

The recommended application rates mentioned below are based on wide experience at field application. As the type of soil varies, dilution and application rates must be adjusted to suit the individual requirements of each specific site. The following application rates can be used as a guideline.

TECHNICAL PROPERTIES	
Color	: Milky White (clear once dried)
Form	: Liquid
Specific Gravity	: 1.03
Solid Contents	: 40%
pH	: 6.0 – 7.0
V.O.C.	: 5 g/Ltr.
Toxicity	: Non-toxic
Flammability	: Non-flammable
Viscosity	: 300 cPs
Vapor Press. Bar (spray application)	: 0.025 bar
Freezing Point °C	: 0
Boiling Point °C	: 100

Coverage (Approx.):

Dust Control:

Dilute with water 1:1 apply 12-15 m²/L

Sand Control:

Dilute 1:1 with water apply 2.5-3.5 m²/L

Landscaping:

Dilute 1:1.2 water

Product apply 7-10 m²/L

Packaging:

SOILGRIP is available in 200 liter drums.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight.

Shelf Life:

SOILGRIP can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean the used tools with water before the product dries.

Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas
- Avoid contact with eyes or skin.

INGREDIENTS FOR 1,000 sq. m. per coat

	SOILGRIP	WATER	MULCH	PIGMENT
Soil stabilizer & dust control	2 barrels	500 Lt.	Nil	Nil
Wind & water erosion, control on slopes and embankments	3 barrels	700 Lt.	110 Kg.	Nil
Landscaping including slopes and embankments	3 barrels	700 Lt.	110 Kg.	10 – 20 Kg.
Hydro-seeding	2 barrels	600 Lt.	Nil	Nil

MATEX Rev.01-0519

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

