



Specially Formulated Cement Free Powder Binder to Consolidate, Bind and Stabilize Loose Soils for Improvement of Soil Integrity and to Prevent Erosion Due to Wind and Rain

General

SS – SoilSeal CP is a soil stabilizing, consolidating and binding powder, that can bind soil in place against erosion caused by wind and rains. The material is composed of selected and natural binders in addition to environmentally friendly additives. The formulation is in powder form and reacts with clean water. This mixture can then be broadcast as a powder over the tilled soil using truck mounted sprayers.

Being composed of compatible mix of binders, **SS – SoilSeal CP** easily mixes with different soil surfaces and forms a binding crust with excellent cohesion between the soil particles. Due to its formulation and properties, the material can offset soil erosion due to wind and rain, reduce dust on construction sites, bind soil in sensitive eco-zones, consolidate loose soils on slopes or as a tack enhancing agent in hydro-seeding applications on large farms. It is especially suitable for creation of road sub bases.

The selection of natural binders, ensures that **SS - SoilSeal CP** is not dangerous for the environment. The product is not corrosive, toxic or flammable. The material can be applied at an economical application rate, still retaining the ability to bind soil and prevent erosion by creating a consolidated mass of soil, not easily affected by wind or water.

Product Features

- Very easy to apply, just broadcast, till, water and compact
- Compatible with different equipment
- Equipment can be cleaned with water
- Product is not toxic, corrosive or flammable
- Concentrated binder
- Not harmful to environment or existing vegetation
- Provides excellent soil binding and dust control
- Unaffected by moisture, UV or alkaline soils
- Slightly lowers water permeability / infiltration rates of soil
- Improved jobsite cleanliness
- Environmentally friendly and poses no risks in runoffs



**Soil & Slope
Stabilization**



Areas of Application

- Dust reduction on construction sites
- Dust reduction on mining sites
- Prevention of soil erosion on slopes
- Consolidating and binding loose sandy soils
- Solar fields
- Public works
- WBM consolidation for low-volume traffic roads
- Soil excavated canals in rural agricultural irrigation systems
- Preventing general wind and rain erosion of soil
- Improving load bearing capacity of certain soils

Areas of Application

Specification Keywords	Natural Binder, Environmentally Friendly, Soil Consolidation, Soil Binding, Erosion Protection, Concentrated, Non-Toxic, Non-Flammable, Crust Forming
Delivered As	Off White Powder
Storage Instructions	Store in a cool and dry area away from sunlight, in original packaging
Shelf Life	12 Months
Post Use	Empty packaging completely. Dispose as per local regulations.
Packing Size	30 kg

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Hazards and Safety



Technical Data

Mixing Ratio	1 part by weight SS - SoilSeal CP to upto 5 Parts by weight soil
pH	Not Applicable, Cement Free
Consumption	As per Application to cover Soil Completely, Min. 2 kg / m ²

Instructions for Use

Prior to application of **SS - SoilSeal CP**, till the soil using a grader or an earth tiller. Moisten the soil.

SS - SoilSeal CP is an easy to apply compound. Mix the material well in the original packaging. Broadcast the material evenly onto the tilled soil using the appropriate spraying equipment. Post Spraying, clean all equipment with water.

Apply the material in evenly across the area. Once the material is broadcast re-till the soil to ensure a homogenous mix of the powder binder and the soil. Moisten the soil further with water, to get it to a compatible density. Roller Compact the soil into place till a firm sub grade / soil fill is achieved. Measure that appropriate proctor density has been reached for the soil.

Let the material set for a week, before commencing heavy loading. Light traffic is permissible after 2 days.

The material can be used on moist soil as it will help retain moisture within the treated area. Since **SS - SoilSeal CP** is not toxic or corrosive, it can be safely used in and around vegetation. If in doubt, protect sensitive plants during the spraying process.

Safety and Precautions

- The material does not change the chemical properties of soil, it is only a binder. It is environmentally friendly and can be used in and around vegetation. Still it is advised to treat it with adequate caution and use the recommended safety gear prior to application.
- Take suitable safety precautions at all times. Always wear protective goggles, safety shoes, masks and gloves.
- If inhaled, move immediately to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes. Remove contaminated clothing and shoes and call a physician.
- Clean up promptly after job is complete. Clean equipment with water and allow to dry in a well-ventilated area. Local, state and federal regulations should be consulted for proper disposal procedures.