

TerraHold 402 is a soil stabilizer that is most effective working in soils with fine grain clay content and in climates with mild to medium precipitation.

TerraHold 402[®] for Dust Control, Erosion Control, and Soil Stabilization

Product Description

TerraHold 402 is both a soil stabilizer and a dust control agent for soils with fine-grained clay content. It is also used with a wide variety of soils when medium water resistance is required.

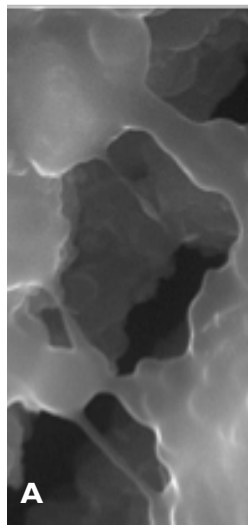
Soil stabilization is typically achieved by applying and mixing the powdered product directly into the soil. Lighter applications are used for erosion and dust control. For these less demanding applications, TerraHold 402 is generally mixed in water and applied topically as a protective surface against wind and rain.

Once dry, TerraHold 402 creates a hardened surface matrix that maintains enough strength and flexibility to withstand a variety of loads without cracking or breaking. Applied sufficiently for its intended purpose, TerraHold will last approximately 9 months before requiring re-application.

TerraHold 402 is environmentally safe and easy to use. It is packaged in 20 lb. (9Kg) containers for easy handling. Left in or on the soil to dissipate, it will dissolve over time with no discernible environmental footprint.

A: Soils or materials stabilized with TerraHold 402 are bound together on a microscopic scale by the coalesced polymer bonding the soil and aggregate particles together.

B: This soil road bed was treated 6 months prior and withstood 4 months of extremely wet weather. The soil retained a firm, yet flexible, texture that supported farm machinery. Areas beginning to biodegrade have grass growing through the treated surface.



Use Guide

- Strengthening and stabilizing soils for heavily used dirt roads, exposed soil production areas, hardstands, runways and parking aprons.
- Wind and rain erosion control of soils requiring moderate water-repellency.
- Hardstands and other soil areas where a light water repellent surface is needed
- Erosion control and hillside stabilization
- Stabilization of levees and dams

Expected Traffic or Application	Conditions	Recommendation
Wind Erosion Control	Sloped Embankments	•••
	Horizontal Surfaces	•••
	Pile Capping	•••
Rain Erosion Control	Sloped Embankments	•••
	Horizontal Surfaces	•••
	Pile Capping	•••

Legend: • light duty •• medium duty ••• heavy duty

Properties

TerraHold 402 is a terpolymer powder of vinyl acetate/vinylester and ethylene that breaks down naturally over time with no harmful residuals. Soils or materials stabilized with TerraHold 402 are bound together on a microscopic scale by the coalesced polymer bonding the soil's particles together.

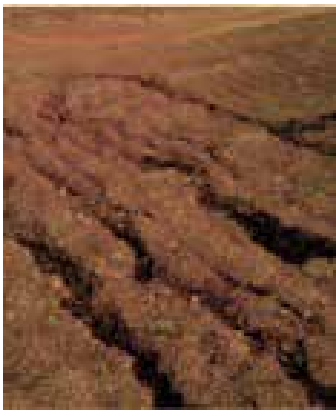
TerraHold 402 is free of solvents, plasticizers and film-forming agents and is a low emission, general-purpose powder.



Application Methods

Soil stabilization can be achieved by mixing dry powdered TerraHold 402 into soils at a depth of 4" or greater at varying rates of application depending on the type of soil.

For **erosion control** the product is mixed in water at a rate of 0.5% – 2.0% of the soil's weight. Once completely dispersed in water, spray the solution onto the soil's surface or mix into soil, depending upon the severity of erosion and the depth of penetration required. TerraHold 402 can be mixed into the soil 1"-2" using a light tiller followed by wetting and compacting the treated area. The product requires no special equipment and only minimal clean-up time with water if done immediately following use.



Severe erosion control can be managed with treatments ranging from 1/2" to 2" in depth.

Application rates for **dust control** depend on the type and frequency of traffic the surface will be subjected to. This is generally a topical application. To maximize surface abrasion resistance, an additional application that is 10% by weight of the diluted solution (note that water's weight is 8.2 lbs per gallon) is evenly sprayed on the stabilized surface until it is dampened without runoff or ponding. TerraHold 402 mixes easily with water and can be applied using a low-pressure (25–30 psi).

Product Consumption

TerraHold 402 is a dispersible powder and contains no water. This reduces transportation costs compared to diluted liquids. The flexibility of powder also facilitates direct mixing of the product into soil and determining the optimum

moisture content of soil when adding water. TerraHold 402's formulation allows it to be diluted and applied on the job site with non-potable water.

Storage

TerraHold 402 should be stored in a cool place and protected against moisture. Since the product is thermoplastic, it should not be subjected to pressure or high temperatures during storage because of the risk of caking. Storage time should not exceed 6 months from receipt of delivery.

Packaging

20 lb. containers

Additional information

If TerraHold 402 is used in applications other than those mentioned, the choice, processing, and use of TerraHold 402 is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

Storage beyond the date specified in the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked to insure quality.

Safety Notes

Product Data

Specification Data	Inspection Method	Value
Solids Content	DIN EN ISO 3251	98-100%
Bulk Density	DIN EN ISO 60	490-590kg/m ³

Typical general characteristics

Inspection Method	Value
Appearance	Visual
	White to pale yellow powder

The data presented in this leaflet are in accordance with the present state of our knowledge. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

For technical, quality, or product safety questions please contact:

L&Q INTERNATIONAL, INC.

ADVANCED SOIL SOLUTIONS

703-299-9575 (main)
www.l-q-international.com
201 N. Fairfax St. Suite 32,

703-549-2531 (Fax)
info@l-q-international.com
Alexandria, VA 22314

L&Q provides a suite of cost-effective soil products and solutions that address critical infrastructure needs.