



Superabsorbent and Erosion Control Products

Hydroseeding With Hydrosorb, inc. Performance Products



HYDROSORB™ 2001F

- ◆ Reduces watering frequency by up to 50%
- ◆ Helps prevent dry patches
- ◆ Aids in plant growth
- ◆ Reduces hydric stress
- ◆ Reduces labor & water costs
- ◆ Long lasting effects
- ◆ Non-phytotoxic
- ◆ **Environmentally safe!**
- ◆ **Biodegradable!**

SOILFLOC™ DryTack or LiquaTack Tackifier

- ◆ Reduces soil loss by up to 95%
- ◆ Ensures more uniform water infiltration
- ◆ Stabilizes soil until seeds establish
- ◆ Reduces sediment runoff & runoff turbidity
- ◆ Aids in plant growth on high-grade slopes
- ◆ Reduces labor and water costs
- ◆ Reduces hardening and crusting of soils
- ◆ Very slick therefore easier to pump
- ◆ Non-phytotoxic
- ◆ **Environmentally safe!**
- ◆ **Biodegradable!**





An inherent problem with hydroseeding is that in some locations there is a lack of adequate water at the soil surface to germinate the seed. Cellulosic mulches can only hold a maximum of 10 times their weight in water. If the newly hydroseeded area is not being irrigated and it does not rain, not all the seed will germinate and the vegetation will not develop evenly, which may lead to soil erosion.



HYDROSORB™ 2001F is an environmentally safe potassium-based polyacrylamide crystal that has been specially designed and sized for use in hydroseeding.

HYDROSORB™ 2001F can reduce watering frequency by up to 50%, reducing time and money spent on irrigation labor and water costs. These polymers work by absorbing and storing water and nutrients in a gel form. These hydrogels help maintain consistent moisture on a hydroseeding project thus improving germination and increasing stand density.

HYDROSORB™ 2001F lasts in the soil for up to 5 years and is compatible with the use of fertilizers and pesticides. MSDS and TDS available upon request.

Directions for application of HYDROSORB™ 2001F for hydroseeding:

- Hydroseeders should add **HYDROSORB™ 2001F** at a dosage of 3 to 4 lb. per acre along with mulching materials, tackifying agents such as **SOILFLOC™ DryTack** or **LiquaTack**, seeds, and fertilizers. **HYDROSORB™ 2001F** is introduced into the hydromulching tank after all other components are added; this product requires vigorous agitation for at least 15 minutes until fully mixed. Specific water retention desired, soil type, and salt content of the water can affect the application rate of **HYDROSORB™ 2001F**.

***Please note: HYDROSORB™ 2001F** holds fertilizer just as it holds water. Therefore, you should reduce your fertilizer usage by up to 50% to avoid burning your plants. Because every soil has different characteristics, finding the optimum fertilizer rate requires adjustment of your standard method of application.

HYDROSORB™ 2001F and SOILFLOC™ DryTack or LiquaTack Tackifier can be used effectively together to maximize plant establishment.

HYDROSORB™ 2001F is available in the following convenient sizes:
3.5 lb. jar, 25 lb. pail and 50 lb. bag

"The single most significant result of polyacrylamide use in the environment is its huge capacity to prevent erosion and improve surface water quality by reducing contamination of surface water with sediment and other contaminants washed from land," (Fall of 2000 National Irrigation Symposium).



Ask about our new products for the Hydroseeding market!





SOILFLOC™ Tackifier is available in both dry and liquid form, tailored to meet customer needs.

DryTack is a 100% active polyacrylamide Tackifier
LiquaTack is a 50% active polyacrylamide Tackifier

SOILFLOC™ DryTack and LiquaTack Tackifiers are water-soluble, linear polyacrylamide polymers that are designed to be used in hydroseeding for erosion control, construction pad sealing, dust abatement, slope stabilization, and to improve water infiltration.

SOILFLOC™ DryTack or LiquaTack Tackifier works by aggregating fine, suspended soil particles and settling them. It also improves water infiltration by up to 60% (average is 15%) and enhances water distribution where applied. Adding **SOILFLOC™ DryTack or LiquaTack Tackifier** to your hydroseeding mix will greatly improve water clarity as well as reduce soil nutrients, pesticides and herbicides in your runoff water.

SOILFLOC™ DryTack or LiquaTack Tackifiers are biodegradable, environmentally safe and will naturally degrade with UV light. The USDA has been a strong advocate for their use. The NRCS (Natural Resources Conservation Service) finalized the conservation practice standard for these products as a BMP in July 2000. MSDS and TDS available upon request.

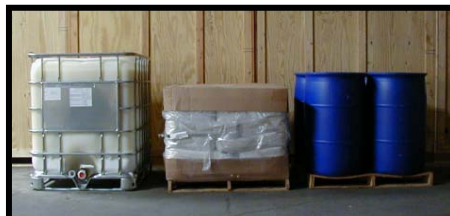
Directions for application of SOILFLOC™ DryTack or LiquaTack Tackifier for hydroseeding:

- **SOILFLOC™ DryTack or LiquaTack Tackifier** is introduced into the hydromulching tank after all other components are added. **SOILFLOC™ DryTack or LiquaTack Tackifier** requires vigorous agitation for at least 5 minutes in the hydromulching tank until fully mixed. **SOILFLOC™ Tackifier** is very slick and will help reduce clogging in hoses.
- **SOILFLOC™ DryTack** is applied at a rate of 3 lb. per acre on a flat grade, with higher dosages required as the slope grade increases.
DryTack is available in three easy-to-use sizes: 3-lb. jug, 15-lb. jug and 50-lb. bag
- **SOILFLOC™ LiquaTack** is applied at a rate of 1 gallon per acre on a flat grade, with higher dosages required as the slope grade increases.
LiquaTack is available in three easy-to-use sizes: 1-gallon jug, 2.5-gallon jug and 55-gallon drum

SOILFLOC™ Tackifier application rates, methods, and concentrations should be adjusted to maintain optimal performance, which may vary from location to location.

*"It's natural for streams to have sediment moving in them, but not mud and topsoil."
(Hold on to Your Dirt, 2001, San Francisco Estuary Project Video)*

To place an order, for consulting, or for more information:
Hydrosorb, inc.™
Phone (714) 771-6040 • Fax (714) 771-1465
sales@hydrosorb.com • www.hydrosorb.com





Frequently Asked Questions

1. Q. How does HYDROSORB™ work?

A. HYDROSORB™ releases its moisture into the soil through osmosis. The roots obtain moisture in the soil at a molecular level or by direct contact with the gels.

2. Q. Are today's superabsorbents better than those made 20 years ago?

A. Yes. Polymers have changed a great deal since their introduction 20 years ago. The polymers we use today are made with stronger chemical components which make them longer lasting, able to withstand higher levels of soil pressure, and capable of absorbing larger quantities of water.

3. Q. What eventually happens to HYDROSORB™? Is it safe for the environment?

A. HYDROSORB™ will naturally biodegrade in the soil. HYDROSORB™, however, is not recommended for ingestion or inhalation, and therefore should be kept out of the reach of children.

4. Q. Does water quality affect HYDROSORB™s performance?

A. Yes. Minerals and salts in the water can decrease absorption rates. Water with high salt levels will require more product.

5. Q. How does this benefit my customers and my business?

A. HYDROSORB™ and SOILFLOC™ Tackifier retain moisture for longer time periods and reduce soil erosion, thus fostering quicker root establishment. This reduces the amount of time your customers need to spend watering, therefore decreasing the likelihood of failed hydroseeding. Satisfied customers mean referrals and repeat business.

6. Q. Do I need to reduce the amounts of fertilizer, pesticides and herbicides used when incorporating HYDROSORB™ into the soil?

A. Yes! HYDROSORB™ stores nutrients, fertilizers, pesticides and herbicides rather than losing them to deep soil percolation, runoff or evaporation. Due to varying soil types – sandy, clay or loam – you must adjust dosage to your soil conditions. Call Hydrosorb, inc.™ for recommendations.

7. Q. Where have polyacrylamides been tested and by whom?

A. These products have been tested and researched by many Universities and organizations among them: the University of Georgia, University of Wisconsin-Madison, University of Idaho Coop. Ext., Washington Department of Ecology, University of California Coop. Ext., and the USDA ARS scientists at Kimberley, Idaho.

8. Q. How long does each application of SOILFLOC™ Tackifier last?

A. Each application will last for up to 6 weeks or more. Reapply SOILFLOC™ Tackifier if the soil is significantly cultivated or if runoff becomes cloudy. SOILFLOC™ Tackifier will slowly degrade naturally by UV light and microbiological attack, leaving no chemical residue. SOILFLOC™ Tackifier, however, is not recommended for ingestion or inhalation, and therefore should be kept out of the reach of children.

9. Can I use too much SOILFLOC™ Tackifier?

A. Yes. Too much SOILFLOC™ Tackifier can stabilize suspended particles rather than flocculate them. SOILFLOC™ Tackifier dosages should not exceed 10 parts per million.

10. Q. Why buy from Hydrosorb, inc.™?

A. Hydrosorb, inc.™ provides dependable, personalized service and technical expertise. We offer person-to-person communication and always return your calls. Our specialty is quality products at competitive prices.

To place an order, for consulting, or for more information:

Hydrosorb, inc.™

Phone (714) 771-6040 • Fax (714) 771-1465
sales@hydrosorb.com • www.hydrosorb.com

Serving polymer customers for over 25 years!