

Look inside for NEW
Tackifiers and Flocculants



ProPlus[®]
Hydro Mulching Solutions

**The Most Complete Line of Additives
For Hydraulic Mulch**



PROPLUS® GIVES YOU GREATER VALUE IN EVERY TANK AND MORE RELIABLE RESULTS FOR EVERY JOB

The makers of the industry's #1 best-selling hydraulic mulch offer you every ingredient you need to be more successful in any type of revegetation or erosion control situation. ProPlus® is the only line of additives formulated by a hydraulic mulch producer. Nobody knows what makes mulch work better than Profile. That's why ProPlus Hydro Mulching Solutions give you:

- Added ingredients that you simply don't find in competitors' products.
- Added convenience with easy-to-use packaging and easy-to-follow instructions.
- Added confidence knowing that every formula is created by the industry's leading experts in maximizing hydraulic mulch performance.
- Added capability by having the industry's most comprehensive line of hydraulic mulch additives at your disposal.

ProPlus Hydro Mulching Solutions put added value in every tank to help mulch bond to soil more securely, seed germinate faster and plants develop deeper roots. Here is the complete lineup and how you can make each one work for you.



Hydroseeders with jet-agitated machines increase productivity and produce superior results with ProPlus Hydro Mulching Solutions.

Hydraulic mulch can be tailored with ProPlus additives to meet specific site conditions like this one. Poor soil on a long, steep slope was successfully revegetated after the first application—there was no call back!

Hydraulic mulch shoots farther and easier with lubricating agents that are just one of the added-value ingredients found in many ProPlus Hydro Mulching Solutions.

SOIL AMENDMENTS

Improve the soil's capacity to support plant life by adding amendments.

NeutralLime™ Dry

Nothing balances soil pH faster—within 6-10 days after application—with the added plus of longer control—up to 18 weeks.



- One 40 lb bag contains 50% more CaCO₃ than the highest concentrated 2.5 gal jug of Liquid Lime
- Promotes germination and enhances plant establishment
- Improves nutrient uptake longer
- Store in a dry place and there's no limit to shelf life

Packaging: 4 - 10 lb bags per case/48 cases per pallet
40 lb bag/50 bags per pallet

JumpStart™

NEW Formulation

JumpStart is a proprietary liquid formulation containing a soil penetration agent, humic acid and over 200 species of beneficial soil bacteria to:

- Improve moisture infiltration and retention for faster, more complete germination and uniform stands of vegetation
- Promote faster nutrient uptake and conversion to get plants off to a faster, stronger start
- Provide a hormonal plant response to maximize root development and plant stress tolerance
- Reduce soil compaction and salinity for deeper root penetration



Packaging: 2 - 2 1/2 gal jugs per case/24 cases per pallet

NeutralLime™ Liquid

Balances soil pH 7-10 days after application.

- High concentration of the purest form of limestone
- Improves soil pH in the seed germination zone
- Easy to mix and use
- Improves nutrient uptake

Packaging: 2 - 2 1/2 gal jugs per case/24 cases per pallet



AquaGel™ A, B, C, D

An excellent water management tool for a variety of applications.

- Super-absorbent co-polymer gel holds up to 400 times its weight in distilled water
- Available in four different particle sizes, making it ideal for hydro-seeding, transplants, laying sod, root dip and as a soil amending medium
- Ensures plants get the water they need at critical stage of establishment

Packaging: 6 - 5 lb pails per case/40 cases per pallet
2 - 16 lb jugs per case/36 cases per pallet
60 lb drum



TACKIFIERS, SOIL STABILIZERS AND DUST CONTROL

Increase the bonding capability and adhesiveness of your mulch with these additives.

Tacking Agent 3®

Requires No Drying Time!



- Proven to reduce soil erosion and water runoff immediately after hydro-seeding—no cure time required!
- Contains the known flocculant polyacrylamide
- Contains hydro-colloid polymers for enhanced fiber-to-soil bond
- Increases the water-holding capacity of all types of hydraulic mulches
- Enhances seedling emergence and turf establishment
- Assists in germination during heat and stressed conditions
- Contains a marker dye for easy metering of the sprayed area

Packaging: 4 - 8 lb bags per case/60 cases per pallet
7 - 3 lb water soluble bags per case/56 cases per pallet
40-50 lb bags/50-40 lb bags per pallet

ConTack® AT

An Agricultural Tackifier



- 100% starch tackifier
- A good, strong chemical bond
- Reduces the need for reseeded by stabilizing mulch and straw
- An economical choice for tacking straw or hay mulch

Packaging: 50 lb bags/40-50 lb bags

Straw Tack

Designed for the stiffest straw binding applications.

- Contains a cross-linked hydro-colloid binder
- Crimped, man-made fibers for mechanical bonding

Packaging: 50 lb bag/40 bags per pallet

Vegetative Overspray

Added security for general seeding.

- 100% cellulose fiber produced from glossy paper stock
- Used for hay and straw mulch binding
- Typical application rate: 750 lbs per acre

Packaging: 50 lb bale/40-50 bales per pallet

ConTack® Organic Tackifier

NEW Smaller Size Packaging



- 100% guar-gum tackifier for an efficient and effective method of controlling erosion
- Reduces the need for reseeding and minimizes soil erosion
- Creates a fiber-to-seed-to-soil bond (without hardening)
- Helps increase flow and pumping properties of mulch, allowing machinery to run more efficiently

Packaging: 6 - 5 lb bags per case/27 cases per pallet
50 lb bag/40-50 lb bags per case

FlocLoc™ (PAM) Dry

NEW A Flocculating Soil Stabilizer



- Designed to coagulate suspended soil particles, dropping them from runoff
- Reduces soil erosion
- Improves water infiltration into the seedbed
- Increases water-holding capacity of the hydroseeding slurry
- Improves machine performance; high viscosity slurry improves the shooting distance and suspension of seed and fertilizer
- FlocLoc can also be used for temporary erosion control and dust control

Packaging: 6 - 3 lb jugs per case/54 cases per pallet
40 lb pails/36 pails per pallet

MPT™ (Multi-Purpose Tackifier)

An Economical Solution



- Contains polyacrylamide and hydro-colloid polymers
- Increases the viscosity of the slurry and forms a chemical bond
- A quality tackifier for binding fiber and straw mulch
- Meets or exceeds requirements for non-asphaltic tacking emulsion

Packaging: 4 - 12 lb bags/case
50 lb bag/40-50 lb bags per pallet

TackDown™

When you need to make sure you've got the job nailed.



- Ideal as a binder for erosion and dust control, straw tacking and bark mulch stabilization in traffic and non-traffic areas
- Dried film is non-toxic, will not redissolve in water and has an excellent resistance to degradation from exposure to sunlight
- Ratio can be adjusted for low or high control
- Can be used in a conventional sprayer

Packaging: 2 - 2 1/2 gal jugs per case/36 cases per pallet
55 gal drum

FIBER MULCH AMENDMENTS

Maximize performance with conditioners that mix easily into your fiber mulch.

FiberLock™

Patented, crimped fibers are your key to increased yield and sure success on really long and steep slopes.

- Polyester fibers approximately 1/2 inch in length and individually crimped exponentially increase the mechanical bond within all types of hydraulic mulches
- Allows mulch to withstand higher rates of surface flow for better erosion control on longer slopes
- Increases the shooting distance of the fiber mulch slurry
- Enhances the erosion control performance of all fiber mulches



Packaging: 10 lb case/72 cases per pallet

SlikColor™

The only marker dye with the added plus of a slickifier to improve shooting distance of the slurry.



- Super-high concentrate marker dye for improved visual metering
- Enhances mulch color for great curb appeal
- Can be used as a marker when applying seed and fertilizer alone

Packaging: 2 - 11 lb jugs per case/
36 cases per pallet

11 - 1 lb water soluble bags per case/
90 cases per pallet

FiberMax™

Maximize the yield and performance of your mulch with a stronger bond and the added plus of better shooting.

- Combination of specially cut and treated polyester fibers disperse rapidly in water
- Easily mixes with fiber mulch and seed
- Increases the mechanical bond of all types of hydraulically applied fiber mulches
- Increases the shooting distance of the fiber mulch slurry
- Reduces the paper mache effect of cellulose fiber mulches
- Enhances the erosion control performance of all fiber mulches



Packaging: 6 - 5 lb bags per case/60 cases per pallet

A SOLUTION FOR

SEDIMENT CONTROL

CONDITIONS	PRODUCT
Medium to Long-Term	TackDown™ <ul style="list-style-type: none"> • Has the ability to penetrate and bond to the surface material, allowing for reduced runoff • Advances the protection when dealing with highly erodible soils
	Tacking Agent 3® <ul style="list-style-type: none"> • Reduces soil erosion and water runoff immediately after hydro-seeding
	ConTack® <ul style="list-style-type: none"> • Provides a strong chemical bond to the soil surface • Enhances the benefit of being 100% organic
	ConTack® AT <ul style="list-style-type: none"> • Provides a strong chemical bond • Can be added up to 150 lbs per acre for maximum protection
Moderate Protection	MPT™ Tackifier <ul style="list-style-type: none"> • Contains PAM • An inexpensive solution for controlling runoff
	FlocLoc™ (PAM) Dry <ul style="list-style-type: none"> • 3 to 4.5 lbs of FlocLoc will give you short-term protection up to 1 acre

DUST CONTROL

CONDITIONS	PRODUCT
High Control	TackDown™ <ul style="list-style-type: none"> • Can be added at a rate of 55 gallons per acre for maximum dust control
	Tacking Agent 3® <ul style="list-style-type: none"> • Can be supplied at up to 100 lbs per acre for maximum dust control
	ConTack® <ul style="list-style-type: none"> • A natural dust control solution with a strong organic bond
Low Control	TackDown™ <ul style="list-style-type: none"> • Can be added at a rate of 30 gallons for short-term dust control
	Tacking Agent 3® <ul style="list-style-type: none"> • Can be applied at 30 lbs per acre for short-term protection
	MPT™ Tackifier <ul style="list-style-type: none"> • Can be applied at 100 lbs per acre for short-term protection
	ConTack® <ul style="list-style-type: none"> • Can be applied at 30 lbs per acre for short-term protection
	ConTack® AT <ul style="list-style-type: none"> • Can be applied at 100 lbs per acre for short-term protection
	FlocLoc™ Dry <ul style="list-style-type: none"> • Can be applied at 4.5 lbs per acre for short-term protection

EROSION CONTROL

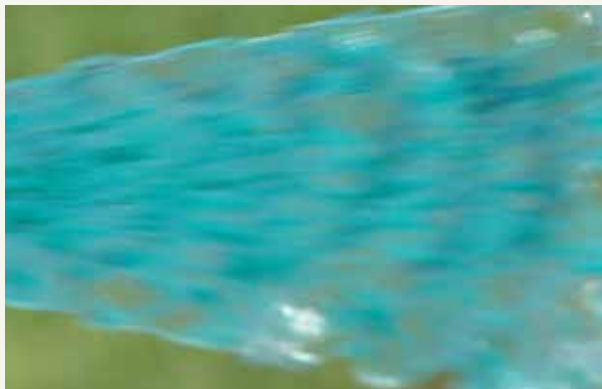
CONDITIONS	PRODUCT
Critical Slopes	FiberLock™ <ul style="list-style-type: none"> • Blending with hydraulic mulch allows the area to withstand higher rates of surface flow energy for better erosion control • Provides a mechanical bond
	FiberMax™ <ul style="list-style-type: none"> • FiberMax enhances the mechanical bond within the fiber mulch matrix
	Tacking Agent 3® <ul style="list-style-type: none"> • University tested and proven to control erosion immediately after seeding; no cure time required • Combining a FiberLock or FiberMax with Tacking Agent 3 gives you the best of both worlds, a great mechanical and chemical bond
Wind	ConTack® <ul style="list-style-type: none"> • Provides a naturally strong, 100% organic bond • ConTack used with either FiberLock or FiberMax assists in holding fiber mulch in place even on the steepest slopes • ConTack used with either FiberLock or FiberMax can be metered at rates that are site specific, giving you the control you need without impeding seedling emergence
	FiberLock™ <ul style="list-style-type: none"> • Allows you to customize your application to withstand severe wind, especially combined with ConTack or Tacking Agent 3 • Reduces the paper mache effect of cellulose fiber
Moderate to Severe Slopes	MPT™ Tackifier <ul style="list-style-type: none"> • Creates a quality chemical bond
	FiberMax™ <ul style="list-style-type: none"> • Allows you to maximize the yield and performance of your mulch by increasing the loft and mechanical bond of the fiber mulch matrix • Allows for greater slope length protection • Reduces the paper mache effect of cellulose fiber
	Tacking Agent 3® <ul style="list-style-type: none"> • Contains a marker dye for enhanced visual appeal
Visual Appearance	SlikColor™ <ul style="list-style-type: none"> • Its super-high concentrated marker dye improves visual metering for seeding, marking alone or with straw/hay mulch • Can be used to increase the color of your matrix as well as enhance the viscosity of your slurry



EVERY SITE CONDITION AND JOB DEMAND

SOIL SOLUTIONS

CONDITIONS	PRODUCT
Poor Soil Structure	JumpStart™ <ul style="list-style-type: none"> • An excellent source of naturally occurring plant hormones and beneficial bacteria • Assists in areas that have been exposed to high levels of environmental stress, such as salt, heat, cold and drought • Enhances top growth and root mass
Compacted Soil	FlocLoc™ Dry <ul style="list-style-type: none"> • Increases water infiltration rates JumpStart™ <ul style="list-style-type: none"> • In heavy clay and compacted soils the humic acid creates a microscopic aeration, which enhances water infiltration rates • Soil penetration agent improves moisture infiltration
Acidic Soils	NeutraLime™ Dry <ul style="list-style-type: none"> • Fastest and longest-acting formula • Increases the pH by 1.0 point within 6 to 10 days of the soil treatment • Can stay active within the soil up to 18 weeks
Moisture Management	NeutraLime™ Liquid <ul style="list-style-type: none"> • Concentrated liquid formula, can be effective for up to 12 weeks—easy to spray AquaGel A, B, C, D <ul style="list-style-type: none"> • Acts as a reservoir for water that will be available to your plants on demand <ul style="list-style-type: none"> -Series A: Media planting, laying sod and seed establishment -Series B: Laying sod, seed establishment -Series C: Bare root dips -Series D: Hydro-seeding
Visual Appearance	SlikColor™ <ul style="list-style-type: none"> • Its super-high concentrated marker dye improves visual metering for seeding, marking alone or with straw/hay mulch • Can be used to increase the color of your matrix as well as enhance the viscosity of your slurry • SlikColor can also assist in the maintenance in watering of the hydro-seeding job—added to the water, its color extends the longevity of curb appeal and adds moisture to the matrix



VEGETATION ESTABLISHMENT

CONDITIONS	PRODUCT
Drought	AquaGel™ <ul style="list-style-type: none"> • Holds moisture for plant establishment • Reduces the amount and frequency of watering
Poor Soil Structure	JumpStart™ <ul style="list-style-type: none"> • An excellent source of naturally occurring plant hormones and beneficial bacteria • Enhances top growth and root mass • Humates improve soil structure • Provides hormonal plant response to maximize root development and plant stress tolerance
Compacted Soils	FlocLoc™ Dry <ul style="list-style-type: none"> • Increases water infiltration rates
Acidic Soils	NeutraLime™ Dry <ul style="list-style-type: none"> • Fastest and longest-acting formula • Increases the pH by 1.0 point within 6 to 10 days of soil treatment NeutraLime™ Liquid <ul style="list-style-type: none"> • Concentrated liquid formula • Increases the pH by 1.0 point within 6 to 10 days of soil treatment

STRAW BINDING

CONDITIONS	PRODUCT
High Wind Conditions	Straw Tack <ul style="list-style-type: none"> • Stabilizes straw mulch while improving turf establishment • Tested to stabilize mulch in sustained winds of 30 mph
Exposed/High Profile Areas	Straw Tack <ul style="list-style-type: none"> • Provides a strong chemical and mechanical bond (rates can be adjusted as needed) TackDown™ <ul style="list-style-type: none"> • Can be applied with a conventional sprayer, provides a strong chemical bond Tacking Agent 3® <ul style="list-style-type: none"> • Very effective at binding straw; increases the bond and longevity of the tackifier by combining its use with cellulose fiber mulch ConTack® <ul style="list-style-type: none"> • Very effective at binding straw, increase the bond and longevity of the tackifier by combining its use with cellulose fiber mulch ConTack® AT <ul style="list-style-type: none"> • Organic vegetable gum binder for moderate protection MPT™ Tackifier <ul style="list-style-type: none"> • Use with cellulose fiber mulch for a quality straw mulch binder FiberMax™ <ul style="list-style-type: none"> • Enhances the mechanical bonding strength of straw binder FiberLock™ <ul style="list-style-type: none"> • Enhances the mechanical bonding strength of straw binder

Selecting the Best ProPlus® Additive for the Job

If every site offered ideal growing conditions, your job would be easy. But since they don't, you need additional ingredients to correct soil deficiencies, mediate climactic conditions and ensure that vegetation can take root successfully. The following chart provides a guideline to help you determine which additives your next hydro-seeding challenge will require. Refer to Product Specification sheet and CSI specifications for specific rates based on site conditions.

	Product	Applications/Advantages	Minimum Application Rates	
SOIL AMENDMENTS	NeutraLime™ Dry	<ul style="list-style-type: none"> • Graduated particle sizing extends maximum effectiveness from 12 to 18 weeks • Quickly improves pH within 6 to 10 days • Mixes easily in the tank 	40 lbs per acre	
	NeutraLime™ Liquid	<ul style="list-style-type: none"> • Improves the soil pH in the seed germination zone within 7-10 days after applications • Can be used in conventional equipment • Effective up to 12 weeks 	5 gal per acre	
	JumpStart™	<ul style="list-style-type: none"> • Ingredients work synergistically to promote faster germination and plant stress tolerance • Improves water infiltration to reduce heat stress during early stages of germination • Can help reduce sediment displacement • Can reduce nutrient leaching and runoff to ensure more complete environmental stewardship 	25 gal water per acre: 1 gal JumpStart	
	AquaGel™ Series C or Series D	<ul style="list-style-type: none"> • Use as a water management tool, especially on critical sites/conditions • Eliminates stress caused by transplanting • Helps plants establish quickly • Improves the availability of applied fertilizers • Reduces the amount and frequency of watering • Assists in controlling water runoff 	Hydro-Seed: 10 lbs per acre Transplants: 1 lb per 40 gal H ₂ O Dip	
	Tacking Agent 3®	<ul style="list-style-type: none"> • No drying time required—no need to be concerned about a 24-hour window • Also contains a marker dye to enhance your fiber mulch or allow additional visual metering when product is being applied 	30 lbs per acre	
SOIL STABILIZATION/DUST CONTROL	ConTack®	<ul style="list-style-type: none"> • 100% guar gum, very viscous tackifier 	40 lbs per acre	
	Contack® AT	<ul style="list-style-type: none"> • 100% starch, agricultural tackifier • Forms a great chemical bond • An economical choice 	75 lbs per acre	
	FlocLoc™ (PAM) Dry	<ul style="list-style-type: none"> • One 3 lb jug will provide temporary stabilization to 1 acre 	3 lbs per acre	
	MPT™ Tackifier	<ul style="list-style-type: none"> • A dimensional-based tackifier • Forms a strong chemical bond • Great for straw and hay binding 	75 lbs per acre	
	TackDown™	<ul style="list-style-type: none"> • Can be used in both hydraulic equipment as well as conventional equipment • Rates can be adjusted for long- and short-term stabilization • Disperses rapidly in water—never balls up • Provides a strong water insoluble chemical bond • Dried film is non-toxic, will not redisperse in water and has an excellent resistance degradation from exposure to sunlight 	20 gal per acre	
FIBER MULCH AMENDMENTS	FiberLock™	<ul style="list-style-type: none"> • Fibers interlock with each other, increasing the mechanical bond to fiber-to-soil contact, therefore allowing mulch to withstand higher rates of surface flow for better control on longer lengths of slopes • Enhances the erosion control performance of all fiber mulches • Can be used in dormant conditions (fibers could last up to 13 months) 	10 lbs per acre	
	SlikColor™	<ul style="list-style-type: none"> • Improves visual metering of the hydro-seeding slurry • Can be used as a marker when applying seed and fertilizer alone • Enhances mulch color for great curb appeal • Can be used during watering to enhance a jobsite during dry weather • With the added plus of PAM, this acts as a hose slickifier to increase shooting 	3 lbs per acre	
	FiberMax™	<ul style="list-style-type: none"> • Enhances water-holding capacity within the mulch matrix and increases the mulch slurry shooting distance • Reduces the paper mache effect of 100% cellulose fiber mulch • Enhances the mechanical bond within the mulch matrix giving you a better fiber-to-soil contact 	30 lbs per acre	

The rates listed are based on 1,500 lbs of fiber mulch per acre, increasing rates to 2,000 lbs per acre ensures better results.

TANKLOADS

	Restrictions	Typical Projects	300 Gallon	500 Gallon	900 Gallon	1,500 Gallon	3,000 Gallon
	Store in a dry location. Effectiveness is up to 18 weeks. For greater longevity, combine standard ag lime with NeutraLime Dry.	Poor soils, low pH, regular maintenance, waters where pH needs to be balanced.	4 lbs	7 lbs	12 lbs	20 lbs	40 lbs
	Store in a warm location; product has the potential of freezing.	Poor soils, low pH, regular maintenance, waters where pH needs to be balanced.	0.5 gal	1 gal	1.5 gal	2.5 gal	5 gal
	For best results, have your soil analyzed by a reliable testing laboratory.	Low organic soils, tolerance areas due to heat/color/salt, etc.	See product label	See product label	See product label	See product label	See product label
	Could be slippery when hydro-seeding.	Hydro-seeding/transplants.	1 lb	2 lbs	3 lbs	5 lbs	10 lbs
	Could be slippery when hydro-seeding.	Excellent tackifier for any job.	3 lbs	5 lbs	10 lbs	15 lbs	30 lbs
	Could be slippery when hydro-seeding.	Landfills, soil stabilization, roads, straw and hay mulch binding.	4 lbs	7 lbs	12 lbs	20 lbs	40 lbs
	Could be slippery when hydro-seeding.		7.5 lbs	12.5 lbs	23 lbs	37.5 lbs	75 lbs
	Could be slippery when hydro-seeding.		0.3 lb	0.5 lb	1 lb	1.5 lbs	3 lbs
	Could be slippery when hydro-seeding.		7.5 lbs	12.5 lbs	23 lbs	37.5 lbs	75 lbs
	Could be slippery when hydro-seeding. Do not allow product to freeze.		2 gal	3.5 gal	6 gal	10 gal	20 gal
		Hydro-seeding on exposed, critical slopes for maximum protection.	1 lb	1.7 lbs	3 lbs	5 lbs	10 lbs
		Hydro-seeding.	0.3 lb	0.5 lb	1 lb	1.5 lbs	3 lbs
		Hydro-seeding application where higher levels of erosion control performance are needed.	3 lbs	5 lbs	10 lbs	15 lbs	30 lbs



Solutions for your Environment™

PROFILE Products LLC

750 Lake Cook Rd • Suite 440 • Buffalo Grove, IL 60089 • 800-366-1180 • Fax 847-215-0577
www.profileproducts.com



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