

Mat, Inc.
FLOODWOOD, MINNESOTA



ST

SUPER TACK
SOIL SOLUTIONS

FIBRAMULCH
HYDRAULIC SEEDING MULCH

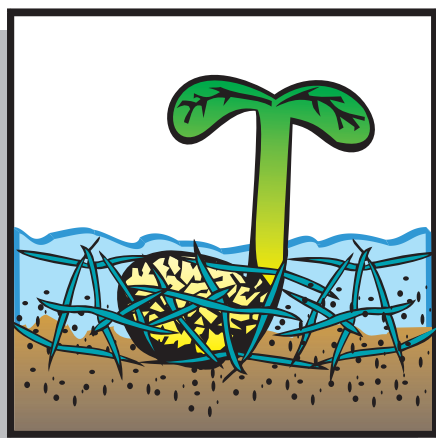
For more information, please contact us:
1 888 298-9911
www.fibramulch.com

Super Tack Natural Tackifier

Super Tack is a new formulation that provides easy mixing without lumping while yielding the fastest viscosity vs. time available. **Super Tack** yields 80% of peak viscosity in 5 minutes after mixing so time isn't wasted waiting on the product to thicken before application.

The fast viscosity buildup and concentrated bonding assures that the network of fiber, adhesive and soil will bond into a soil holding matrix to:

- Anchor Mulch, seed and fertilizer in place until vegetation can take root.



- New, Improved
- Compatible with all Hydraulic Mulches
- Gets Thicker, Quicker

- Prevent Soil and sand erosion and fugitive dust.

Super Tack is 93% soluble while lower end tackifiers are only 50 to 80 % soluble. You are buying an active ingredient rather than insoluble residue that does not contribute to effective and even distribution of the adhesive in the mulch.

Super Tack has over 200 times the viscosity at the same concentration when compared to lower end tackifiers. This is a most important property for several reasons:

- The lubrication effect enhances machine pump performance and creates a more uniform and controllable spray pattern.
- Viscosity keeps the tackifier in contact with the fiber during the application trajectory and prevents drain off once impact

Super Tack binds seed, fertilizer and mulch together with the soil to control erosion and speed germination.

- The fastest hydrating, highest adhesive value tackifier on the planet!
- Dispersable Guar Based Tackifier

- Viscosity keeps the tackifier in contact with the fiber during the application trajectory and prevents drain off once impact with the ground has occurred.

- Viscosity controls the rate the tackifier weeps off into the soil and maintains fiber contact until curing can set up the final bond.

Super Tack will provide the same adhesive performance at one third to one half the dosage of competing low end tackifiers.

Super Tack also resists rewetting to give superior rain drop impact resistance.

New improved **Super Tack** that is made from 100% natural non-toxic ingredients that will not harm soil, equipment or other living things.

Super Tack is packaged in 3 convenient sizes: 20 lb. stackable plastic buckets, 50 lb. plastic bag and by the case (4-10 lb. plastic bags).

Mat Super Tack vs. other leading tackifiers

Property	SuperTack	Other Tackifiers
----------	-----------	------------------

SOLUBILITY

In lab tests, solubility is determined by making 0.10 percent solutions of each tackifier. The solutions are filtered through preweighed gauze, dried and reweighed to determined insoluble solids.

93

45 to 86

VISCOCITY

Viscosity is measured by mixing a one percent solution for 4 minutes at 1500 rpm, measuring the viscosity at 15 minutes hydration time with a Brookfield RVT viscometer, no. 4 spindle at 20 rpm at 25 deg. C.

5000

10 to 30

SPECIFIC ADHESIVE STRENGTH

The SAS is measured as the grams of failure weight per gram of dry pad weight required to cause a nominal 4.0 gram mulch pad to fail in tension. Tackifier solutions are mixed at 0.18% representing 60 lb per acre application rate and added to 4.0 grams of mulch and then dried for 24 hours at 30 deg. C. Pads are tested in triplicate with 100% virgin wood fiber.

500

60 to 200

EROSION RESISTANCE TO RAIN IMPACT

Dry mulch test pads are made up similar to the SAS procedure above and placed on an inclined plain and rain flow rates of 6.0 to 12.0 inches per hour are simulated. The time is measured until a hole is produced in the pad vs. control

27

1.0 to 2.2

RECOMMENDED SPECIFICATION LANGUAGE

A non-toxic, biodegradable tackifier such as Super Tack shall be used on this project at the minimum application rate shown on the Table below. Such tackifier shall be a natural galactomannan based hydrocolloid treated with dispersant agents for easy field mixing. We recommend Super Tack be applied at 10 to 15 lb per 1000 gallon of water depending on machine capacity. When used as an overspray over straw, use Super Tack more concentrated at the rate of 40 lb in 1000 gallon per acre with the use of 150 to 300 lb of mulch as a marker.

SLOPE:	FLAT	4:1	3:1	2:1	1:1
LB/ACRE:	40	45	50	60	70



For more information, please contact us at: 1 888 298-9911
www.fibramulch.com