

## Chemstar Products Company

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## Technical Data

# StarTak™ 600

StarTak™ 600 is a cost-effective, modified organic tackifier for use in revegetation and hydroseeding applications.

## Features

### Tackifying

StarTak 600 acts as an adhesive to bind soil, fiber and seed particles together. Its adhesive properties temporarily control the effects of wind and water erosion during seed germination and plant establishment.

### StarTak 600 Can Be Used As A:

- Hydroseeding mulch tackifier
- Straw/hay overspray binder
- Soil stabilization/dust abatement agent

### Lubricant

By lubricating the slurry mix, StarTak 600 helps reduce plugging problems and ultimately equipment wear and tear.

### Moisture Retention

StarTak 600 helps improve seed germination rates and reduces irrigation frequency. The hydrophilic nature of its organic polymer allows the product to readily absorb and retain water. In addition, modifications made to the natural polymer in StarTak 600 help increase the product's moisture retention capacity.

### Maximum Mixing Ratio

During use in hydromulch tanks, StarTak 600 can be pumped up to a rate of 8 bags of product per 3,000 gallons of water. This helps save valuable time and money.

### Cost Effective

Offering a consistent price point year-round, StarTak 600 is one of the most economic tackifiers available on the market. It provides excellent performance at a fraction of the cost of other gum-based and synthetic products.

### Environmentally Safe

Derived from 100% all natural starch polymer, StarTak 600 is free of odors, contaminants, toxins and weed seed residue. In addition, its application is safe for the environment, plants and animals.

### Availability

Unlike other imported polymer tackifiers, StarTak 600 is completely manufactured in the United States. For your convenience, it is packaged in 50- and 25-pound bags of **powder** or easily dispersible **flakes**.

## Physical Properties

Density:	35 - 40 lbs/ft <sup>3</sup> (powder) 20 - 30 lbs/ft <sup>3</sup> (flake)
Moisture Content:	8 - 12%
Ash:	< 8%
Water Holding Capacity:	> 1000%
pH:	7.0 - 9.0 Settleable
Solids :	0%
Size:	100% thru 850 microns (20 mesh) for powder 100% thru 4750 microns (4 mesh) for flake

## Application\*

### Fiber Mulch Binder

4:1 slopes or less	40 - 65 lbs/acre
2:1 slopes or less	65 - 90 lbs/acre
1:1 slopes and loose soils	90 - 110 lbs/acre

### Straw Tackifier

3:1 slopes or less	40 - 60 lbs/acre
2:1 slopes and greater	60 - 80 lbs/acre
High wind areas	80 - 100 lbs/acre

## Soil/Dust Control

Depending on the type of soil, usage varies 40 - 80 lbs/acre. To garner improved performance, add 200 lbs of fiber mulch.

## Lubricant

Add 1 - 2 lbs. StarTak 600 per 100 lbs mulch fiber.

\*Application amounts should be adjusted as necessary for local environmental circumstances such as wind and precipitation levels.

## Mixing Procedure

### StarTak 600 powder

- 1) Fill the tank with water to the bottom of the agitator.
- 2) Start the agitator and set it to the maximum RPM level.
- 3) Continue to fill the tank while slowly adding StarTak 600\*\*.
- 4) Add seed, fiber mulch and fertilizer.

\*\*Please Note: Rapid addition of the tackifier may cause excessive balling.

### StarTak 600 flake

- 1) Fill the tank with water to the bottom of the agitator.
- 2) Start agitator and set it to the maximum RPM level.
- 3) Continue to fill the tank while adding the StarTak 600\*\*\*.
- 4) Add seed, fiber mulch and fertilizer.

\*\*\*Please Note: Since flakes hydrate slowly over 10 minutes, gel balling **will not** occur.

**Please Note:** It is advisable to remove overspray from asphalt or concrete surfaces immediately following application.

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