



## NaturalTac™ Certificate of Compliance

Manufacturer:  
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Sunmark Environmental Services, LLC certifies that NaturalTac™ contains the following properties and characteristics

### Description -

A premium organic **Hydro seeding Tackifier**, NaturalTac™ provides a valuable binding and lubricating agent for use with hydraulically applied seed and hydro mulching operations. Tackifiers promote smooth operation of hydraulic seeding equipment while effectively holding loose straw mulches on the ground. **NaturalTac** tackifier can also provide a short-term, cost effective dust control solution. **Natural-Tac** allows for greater spray distance, while improving fiber dispersal on soil contact. This produces a uniform erosion resistant cover and holds seed in place until vegetation grows and stabilizes. **NaturalTac** is ideal for projects where the use of natural biodegradable and organic products free of toxic chemicals and harmful substances are preferred. It is environmentally safe to people, plant and animal life. **NaturalTac** may be utilized with **PermaMatrix®** or as a stand-alone over-spray for dust control.

### Specifications -

**NaturalTac™** is an organic Polysaccharides starch based biopolymer. A natural compound that is found in most living things, Polysaccharides contain compounds such as cellulose and often are packed together to form a ridged structure and are soluble in water making a paste. Microbes in the soil readily consume these organic compounds transforming them in to simple sugars and carbohydrates.

### Loading Instructions:

Start filling water into the tank.  
Engage the agitator at ½ speed.  
Load **NaturalTac** with **PermaMatrix** into tank.  
Add seed and/or fertilizer when the water level reaches ½ full.  
Load all of the **PermaMatrix** needed before tank reaches ¾ full.  
Resume filling the tank with water until the tank is full.  
Set the engine to full throttle for approximately 30 seconds.  
Start spraying as usual.

NaturalTac	Application Rate				
Slope	Flat	4:1	3:1	2:1	1:1
LB/ACRE	15 – 40	40 – 60	60 – 80	80 – 120	120 - 220

### WARRANTY

Sunmark Environmental Services, LLC warrants that its products are free from defects and will perform as stated in this document. Sunmark Environmental Services, LLC will not warrant that the product will perform under unlimited circumstances that are caused by variables such as the soil surface condition, installation methods, and/or weather conditions.

Physical Characteristics	
Active Ingredient	Amphiphilic Polysaccharide
Applied Color	Dark Brown
Surface Tension	Dynamic
Toxicity	Non-Toxic, Organic
Solubility	Hydrophilic

Packaging and Shipping Data	
Bag Size	5.5" x 15" x 22"
Bag Weight	50 lbs. - Paper
Pallet	40 Bags
Box Weight	40#, 4 10# Bags
Packaging	Palletized and Shrunken Wrapped

Benefits
Added viscosity longer spray distance
Beneficial food source for soil microbes
Increased surface tension for soil stabilization
Organic non toxic material for sensitive sites
Cost savings over guar or synthetic tackifiers

