



on-course solutions

Evolve to the next level in golf course construction and Make Golf Greener!

HYDROTAC PRODUCT OVERVIEW

Hydrotac is an environmentally safe, specifically formulated highly effective tackifier. It is diluted with water which serves as a carrier agent and when applied to the ground, air and sunlight become the curing agents. Hydrotac is a tackifier and soil binder which in effect "tacks" the seed mixture to the surface of the ground until the germination and root growth occurs.

The adhesive properties of Hydrotac allow it to literally hold the grass seed to the surface of the soil while allowing air and water to pass through it in to the ground facilitating the germination of the seed without allowing any negative hydrophobic impact.

The application rate for hydro seeding is very light (.02 to .10 l/m²), and will provide for a very light flexible crust, which will allow the seed to be "tacked" to the soil **with just one application.**

Hydrotac is completely environmentally safe (non-toxic, non-hazardous, safe and easy to apply) and will result in a decrease of the environmental impact of the treated area as Hydrotac **eliminates the need to use other products which according to Audubon International have the following negative ecological effects:**

- Pollution of ground water and surface water caused by use of pesticides, fertilizers and other components
- Poor stream water quality due to eroding shorelines
- Withdrawal of large quantities of water for irrigation
- Degradation or loss of natural areas
- Health hazards from chemical handling and applications
- Negative impacts of chemical use on "Non-target" wildlife

The most exciting and advantageous characteristics of Hydrotac include its ability to effectively hydro seed without expensive additives and its ability to actually "reduce" the germination time by retaining soil temperature and moisture.

Case studies carried out at Serengeti Golf Estate in Johannesburg and Nondela Drakensberg Mountain Estate confirmed that the Hydrotac hydro seeding mixture only had to be applied once, not the normal four to six times as required with normal hydro seeding procedures. Not only did the seed stay in place after heavy rainfall but also germination took place 2 to 3 days earlier than normal.



on-course solutions

Evolve to the next level in golf course construction and Make Golf Greener!



Hydrotac application at Serengeti



Bunker complex hole 13 Nondela



Hydrotac application at Nondela

Frequently Asked Questions

1) Is Hydrotac environmentally friendly?

A) Hydrotac is completely environmentally friendly, safe for animals, wildlife and vegetation and dries clear and transparent leaving the environment in its natural state.

Hydrotac meets all ISO 14001 requirements thus helping to keep all companies involved with the use of the product compliant.

2) What makes Hydrotac a cost effective solution?

A) The use of Hydrotac for hydro seeding only requires fertilizer and grass seed thus eliminating the need for costly additives such as organic supplements, wood fibre mulch, cotton mulch, hydro pam and stock absorb. In addition the adhesive properties of Hydrotac will hold the fertilizer and seed in place and will not wash away (even with heavy rains) therefore only requiring one application of the product.

3) How is Hydrotac applied?

A) Hydrotac is applied using a simple pump and spray system that is easily housed on a trailer or in the back of a truck for ease of movement and access to any area. A common adjustable spray nozzle is used to ensure that the required application rate is adhered to. The product is applied over the area using 1 to 2 coats depending on the soil conditions.

4) What is the recommended application rate for Hydrotac?

A) The application rate for Hydrotac varies from .02 to .10 litres per square meter depending on soil conditions as well as desired effectiveness.

5) What is the best ratio of Hydrotac to water to use?

A) The best ratio to use is 1 part Hydrotac to 10-15 parts water (the Hydrotac is always added to the water) Again this depends on soil conditions.

6) What affect does Hydrotac have on germination time?

A) Using Hydrotac has proven to decrease germination time up to 40%

7) How is Hydrotac packaged?

A) Hydrotac comes in 1m³ mini bulk containers that hold 1,040 litres

8) Are there any special requirements for storing Hydrotac?

A) Hydrotac must be stored in a location to protect it from freezing (above 40° F or 4° C)



on-course solutions

Evolve to the next level in golf course construction and Make Golf Greener!

9) Why Hydrotac instead of other products or traditional methods of hydro seeding?

A) More cost effective, environmentally friendly, easier to apply, only applied once, decreased germination time and the added benefits of erosion prevention and soil stabilization.

For more detailed information regarding how On-Course Solutions may assist you on your golf course please contact us today.

We offer training on the process so that your on site crews can perform applications and maintenance.

Contact us directly for further information:

On-Course Solutions

Tel: +27 87 551 1005

Email: info@on-coursesolutions.com

Website: www.on-coursesolutions.com



Evolve to the next level in golf course construction and Make Golf Greener!