



- Installation of Flaked Fytofoam® flakes used at Yas Links Trials
1. Location chosen due to summer/winter changeover damage
 2. Laying out and opening of flake bags
 3. Mixing foam into soil using portable rotovator
 4. Turf re-laid
 5. Trial complete



Laying Fytofoam®
in an existing
grass cover



fyto FOAM

The perfect substrate for fantastic grass

Extensively tested

Various international institutes have tested Fytofoam®. The results to date are very satisfactory. The tests carried out by the NSF/NOC (the Netherlands) also included practical trials. The tests carried out by STRI (England) and IGI (Germany) were completed in 2000. To summarise in short we can say that:

In tests, the increase in moisture retention through the use of Fytofoam® varied from 54 to 110%. With respect to a 15-cm thick sandy subsoil under a grass playing surface for golf or football and a suction power of 40 mbar, between 10.7 and 16.4 more litres water were retained per m2 surface area. The different amounts of foam mixture used were 15, 20 and respectively 22.5 Vol.



NSF/NOC (NL) Measured Property	STRI (GB) Measured Property	IGI (D) Measured Property
<ul style="list-style-type: none">• Stability• Evenness• Grass coverage• Unwanted grass sorts• Pests and diseases• Fertilisation	<ul style="list-style-type: none">• Bulk density• Hydraulic conductivity• Total porosity• Air-filled porosity at 3kPa• Capillary porosity at 3kPa• Air-filled porosity at 4kPa• Capillary porosity at 4kPa• Hardness• Shear strength	<ul style="list-style-type: none">• Saturated hydraulic conductivity• Water retention• Bulk density• Total, air-filled and capillary• Porosity at 30 and 40 cm tension• Shear strength and hardness at 40 cm tension

These test reports can be sent to you free of charge on request.

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USGA®

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The Producer

Fytofoam®, a registered trading product, is produced from an aminoplast resin which is mixed with a hardener under pressure. This results in a light but very stable spongy substance with a dry matter content varying from 22 to 30 kg/m3, with a water absorption capacity of 60% by volume. Further important features of the foam are that it is harmless to the environment and entirely biodegradable. This makes Fytofoam® highly suitable for improving the soil structure improvement where sand is the base substrate material, commonly used in the GCC for landscaping, as well as sports fields such as soccer fields and golf courses are to be installed or renovated.

Fytofoam® can be applied on site by means of a specially developed mobile foaming machine. The product is also available in flakes, supplied in 50 litre bags. Both foam and flakes can be mixed in the upper layer of the soil.

Fytofoam® is available in several densities, RG 22 (22 kg/m3) being recommended for sports fields. football ground, golf courses and turf growing application.

Fytofoam features

- Environmentally safe
- Biodegradable
- Inert / sterile
- Large water and air absorption capacity 60% water and 40% air by volume
- Light weight
- Simple and effective application, either by means of a foaming machine or foam flakes in the field

The advantages:

The general rule is that 40% of irrigation water is lost through leaching through the soil due to the permeability of sand. Fytofoam takes advantage of irrigation water and nutrients that lost through leaching by capturing and storing this water in the substrate, allowing roots to have optimal access the water and nutrients. These factors have an extremely positive effect on germination and also encourage faster and finer rooting. As well as creating a splendid and even growth, this improves the self-restoring capability of the turf. In other words, with Fytofoam® you will have finer and better results and spend substantial less on maintenance.

- Improves buffering of water and nutrients
- Boosts irrigation efficiency
- Generates finer rooting
- Promotes even growth
- Enhances self-restoring capability / provides increased recovery performance



The pitch is ready for play on schedule

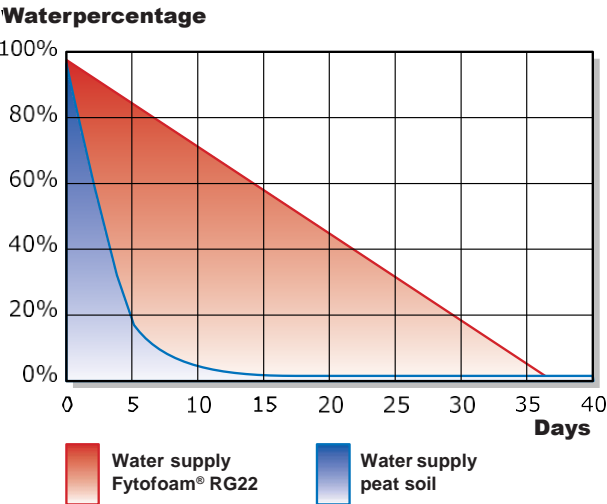


Football Pitch/Golf Course

A quality turf is essential for all levels of football pitches and golf courses, from the local club to international championships quality sports surfaces. Substantial savings during operation and maintenance can be achieved in pitches and courses containing fytofoam. The first recovery of turf together with healthier plant and root development provides increased wear performance.

User references

Fytofoam has been successfully applied on golf courses and football pitches in France, Spain, Portugal, Germany, Switzerland, Benelux, United Kingdom, Ireland and South Africa. Emirates Stadium – Arsenal FC, Parc Des Princes – PSG and the London Stadium – Westham United and Wembley Stadium - London use Fytofoam in their pitches. Fytofoam has been tested by the STRI, USGA and Australian Golf Course Superintendent Association and NOC/NSF.



Trials At Yas Links Golf Course Abu Dhabi

In 2012 trials at Yas Links golf course were undertaken over a 100m² area during a period of 3 months. The notable facts obtained from the trial were a reduction in volume of irrigation water by 40%, an increased usable moisture content deeper in the root zone culminating in a greater root depth generation from 120mm to 190mm meaning increased root development.



Laying Fytofoam® for a football pitch under extremely dry conditions in Portugal. Viewed anti-clockwise:

1. The pitch is levelled.
2. Fytofoam® is laid using the mobile foam machine.
3. Overview photo - the foam is almost completely laid.
4. Fytofoam® rotovated into the top soil
5. Rolls of turf being laid to make the playing surface.
6. Overview photo - the rolls of turf are almost completely laid
7. The finished grass cover is lush and green thanks to the perfect Fytofoam® substrate.

