

# Biosorb Fine

In order to create good soil conditions for grasses to grow well it is essential that the soil structure has a balance giving both good drainage, adequate aeration and sufficient water retaining properties. These help to ensure that grass roots are able to easily access nutrients and water from the soil and maintain a good root system which allows grasses to recover from such impacts as pitch marks and traffic.

Historically greenkeepers have used sharp sand on soils with a high clay content and blends of different loams on soils with a high sand fractions.

## The Alternative

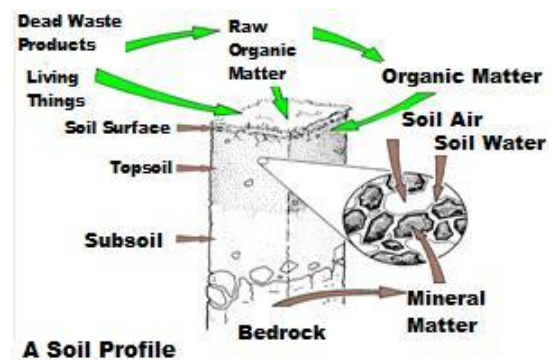
Biosorb is a naturally occurring mineral containing thousands of microscopic diatoms – hard sponge like structures – which add porosity and other benefits when added to the soil. Biosorb is calcinated – heated to around 1800 degrees centigrade – to create a hard, durable particle, resistant to breakdown.

## Why use Biosorb Fine?

In poor draining soils Biosorb works by increasing percolation rates and improving aeration. On free draining soils with low CEC, Biosorb retains water and nutrients in its micropore structure which enables continued growth in adverse conditions.

## Key benefits:

- Improves drainage and permeability
- Introduces non-compacting pore spaces into soil profile
- Reduces compaction
- Increases water and nutrient availability in sandy soils
- Balances air and water in rootzone encouraging rooting
- Available in 30 litre containers



Application Rates		
Situation	Recommended amount of Biosorb Fine	Notes
Construction	430kgs per 100m <sup>2</sup>	Rotovate to 150mm deep to incorporate
Existing Turf	600kgs per 500m <sup>2</sup>	Apply after coring to 120mm

## Where to use Biosorb Fine

- Compacted soils with little air content
- Poorly drained soils
- Soils that have black layer or anaerobic conditions
- Sandy soils that dry out too rapidly
- Areas of high traffic and wear
- Turf areas with poor root structure and development