

TOTAL GROUND CONTROL - TGC

LONG TERM SOIL BINDER AND CRUSTING AGENT



UNBOUND MATERIAL

Most soil, sand and mineral particles have very low cohesion properties. When the moisture levels drop in the material the particles become loose and are easily blown away or washed away creating dust and erosion.

SOLUTION

TGC – is a unique blend of water dispersive co-polymers developed by RST for:

- Erosion Control
- Dust Control
- Improved Water Runoff
- Sand/Soil Binding
- Stockpile Stabilisation

HOW IT WORKS

When applied to the ground surface, TGC crusts and binds the fine particles together creating a matrix that will suppress the movement of fines by both water and wind action.

Levels of control are simply adjusted by increasing dosage levels. By increasing the percentage of TGC diluted into water the thickness of membrane and longevity of the application are increased to allow for different results required for specific applications.

Once the product is diluted, watered in place and allowed to dry, it is then unable to wash away.

PERFORMANCE

TGC offers the following performance criteria.

It is semi-permeable allowing moisture to pass through it although applications at increased dosage rates allow for permeability rates to be greatly reduced.

It is UV and biologically stable. We expect 6-18 months membrane life depending on the application's conditions.

It does not harm the plants or seeds. TGC has been developed to enhance the growth of plants and seeds by applying a thin protective film of polymer over the plant or seed.

APPLICATION

TGC is diluted with water at a base dilution rate of 2 to 3% and sprayed directly over the treatment zone at 2 litres of solution per m².

TGC can also be ripped into the ground and compacted resulting in a stabilised material that resists unravelling and increases water runoff.

Both these applications will control dust and improve catchment runoff for increased water utilisation.

BENEFITS

- Long Lasting
- Saves Water
- Areas easily identified by adding marking dye
- Strength can be increased by increasing the dosage
- Will not damage vegetation
- Non Hazardous
- Can be re-applied as required

EDUCATION AND TRAINING

RST provide experienced site technicians available to assist with product applications and procedures.

ENVIRONMENT

All RST products are environmentally safe and user friendly. For further detailed information on a specific product or application please contact our Head Office.