

# RT15 SOIL STABILISER

## MULTI PURPOSE GROUND COMPACTION AID



### PRODUCT DESCRIPTION

RT15 SOIL STABILISER has been developed to be blended into soil to improve their engineering qualities.

RT15 SOIL STABILISER reduces water penetration rates (hydraulic conductivity) by up to 90% allowing water to be shed from the surface material faster so reducing the risk of material damage and failure thus maintaining long term structural integrity.

### APPLICATIONS

#### Haul & Access Roads:

Reduces dust and assists in maintaining structural integrity in wet conditions.

#### Plantation & Farm Roads:

Reduces unravelling dust, washouts and minimises maintenances programs.

#### Dam Walls:

Improves compaction and reduces water seepage.

#### Car Parks and Large Unsealed Trafficked Areas:

Stops material unravelling, reduces dust and minimises the damaging effects of water.

#### Foundations:

Increases the bearing capacity of foundation material and stops the weakening process if water infiltrates to the foundation zone.

#### Clay/ Soil Cappings:

Reduces permeability levels to reduce the amount of capping material required.

### HOW IT WORKS

RT15 SOIL STABILISER facilitates improved material workability during construction. RT15 SOIL STABILISERS surfactant system allows for particle slippage to occur which in turn reduces the void spaces between the fine soil particles thus increasing the material's densities and strengths.

The unique blend of polymers physically binds the fine particles together and polymer residual fills the soil particle void spaces rendering the material virtually impermeable to water.

### APPLICATION

RT15 SOIL STABILISER is diluted into the water used to compact the material. The road/ground is ripped to the required depth (minimum 100mm) and the diluted product is mixed through the material. Once OMC (Optimum Moisture Content) is reached the material is laid out to the required levels and crossfalls and compacted.

### DOSAGE RATE

0.4 to 0.5 litres of RT15 SOIL STABILISER concentrate per m<sup>3</sup> of soil.

### DILUTION RATE

Dilute approximately 1:1000 with fresh water

### BENEFITS

- Increases material strength.
- Reduces soil permeability.
- Less water for construction.
- Stops unravelling.
- Reduces maintenance requirements.
- No drying or setting time.
- Effective immediately on application.

### 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.

