

GRT:6000 TRENCH COMPACTION



Stronger, safer and quicker trenches

GRT6000 is a specially formulated liquid polymer that acts as a bonding agent to accelerate the trench backfilling process.

SOIL STABILISATION AND TRENCH COMPACTION

Trench backfilling and compaction can be time-consuming and costly. GRT6000 works by reducing surface tension to aid in the compaction stages. This allows particles of soil to slide past one another more efficiently and ultimately lock together.

Making life easier in the trenches

When added to trench backfill materials, GRT6000's unique properties allow full compaction with much fewer passes than normally necessary. This reduces labour, equipment costs and effort, leading to a reduction in fatigue related injuries and equipment wear and tear.

Once the soil is compacted, GRT6000 cures and bonds particles of soil together, mitigating subsidence issues and forming a waterproof and stable material. This is particularly crucial when trenching through transport corridors such as roads and rail, where subsidence leads to costly maintenance including asphalt patching or resurfacing.

Deploying GRT6000 is relatively simple and can be carried out using a small utility vehicle, drums or even personal sprayer units. GRT6000 provides an alternative to traditional stabilised products such as 'flowable' fill, cement stabilised sand and lean-mix concrete.

APPLICATIONS:

The key areas of use for GRT6000 include:

- **New Construction** – Infrastructure trenches for road and rail
- **Sealing or Stabilising** – For improved trench safety and stability
- **Maintenance** – Reduces the risk of trench fatigue and related injuries



Fast Facts

Compared to conventional construction processes, GRT6000 offers:

- **Maximum compaction with minimum effort**
- **A flexible, strong backfill in wet, dry and extreme climates**
- **Immediate cost benefits from reduced labour and equipment requirements**
- **Environmental protection - GRT products are non-toxic, have a low carbon footprint and reduce erosion and environmental impacts**
- **Improved Safety - reduces the risk of future potholes and unstable road surfaces**



Quality assured

GRT6000 Soil Stabilisation Trench Compaction is manufactured to ISO9001 standards and has been comprehensively reviewed by leading independent testing institutions and major companies worldwide.