



# Paving the way to a better future



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# Unique GRT Product Features



Al-Ahmadi Hospital - Kuwait

**GRT** products and solutions reach hundreds of industry professionals worldwide, providing targeted engineering solutions where needed most.



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# Engineered Solutions for Global Issues >



**GRT** are the specialists in dust control, soil stabilisation, erosion control and water management.



We are an international, engineering technology company focusing on providing innovative products and solutions for the mining, civil, agricultural, resources, land development, and environmental management sectors. **GRT's** industry leading technology is proven to drive process efficiency, deliver sustainable infrastructure outcomes, and improve community health, safety and environmental outcomes.

**GRT's** foundation is engineering excellence and innovation.

With highly experienced chartered engineers forming the core of our team, **GRT** can develop efficient, practical, site-specific solutions across mining, civil, environmental, and geotechnical disciplines, with application in the Roads, Rural, and Resource sectors.



## GRT International Products Can Be Used For:

- Urban and rural road construction
- Major highway and freeway construction
- Sealed and unsealed haulage roads
- Hardstand areas
- Water proofing pavement
- Soil stabilization
- Dust suppression
- Military Camps & Roads and unpaved Runways
- Oil & Gas



With powerful environmentally friendly soil stabilization and dust suppressive qualities, **GRT International** is perfect for the following industries:

- Mining and resources
- Forestry
- Civil construction
- Rail
- Livestock and farming
- Military
- Disaster relief
- Oil & Gas

**If you're not receiving an engineered solution,  
you're dealing with the wrong company.**



# GRT Solutions for Every Project >

## **GRT: 9000**

### **POLYMER SOIL STABILIZATION HAUL ROAD DUST CONTROL**

A clear drying, high performance polymer stabilization agent that works by physically and chemically bonding soil or pavement particles.

## **GRT: 7000**

### **POLYMER SEALANT (ENVIRONMENTAL)**

A specially formulated polymer engineered for civil construction. It is a clear polymer sealant and a multipurpose stabilization agent.

## **GRT: HAUL-LOC**

### **HAUL ROAD DUST CONTROL**

An ultra concentrate liquid polymer added to water trucks. It's used to reduce water required for continuous dust suppression by at least 500%.

## **GRT: WET-LOC**

### **WATERLESS DUST CONTROL**

An environmentally friendly, clear and highly refined synthetic fluid designed for long term dust control under heavy traffic such as truck, machinery, logistics yards, Military camps and underground mining / tunneling.

## **GRT: SOIL-LOC**

### **BULK HANDLING LIQUID TARPING**

Designed for large open areas where there is a need to protect against wind and rain erosion, such as on open Highways, resource sector, farms, civil construction and land development.

## **GRT: ENVIRO-BINDER**

### **EROSION CONTROL SOLUTION**

A sprayed, water-soluble polymer that binds loose granular particles providing an erosion resistant soil structure, protecting cut and fill batter, stockpiles, and channels.

**"We provide the solution to a global problem of creating better and safer roads for people, industry and communities everywhere."**



# Instant Infrastructure Just Add GRT ➤



## **GRT: 9000** POLYMER SOIL STABILIZATION

A clear drying polymer stabilization agent that works by physically and chemically bonding soil or pavement particles together in a strong but flexible layer. Polymer stabilization provides a much higher tensile resistance than traditional pozzolanic stabilization agents, and is more environmentally friendly than bitumen binding agents.



## **GRT: 7000** CLEAR POLYMER SEAL (ENVIRONMENTAL)

A specially formulated liquid polymer, GRT7000 is a clear drying, environmentally friendly polymer seal. Engineered for use in civil construction, GRT7000 works by physically and chemically bonding subgrade or pavement particles providing a dust free, all-weather, sealed pavement surface.



## **GRT: HAUL-LOC** HAUL ROAD DUST CONTROL

A specially formulated liquid polymer added to water trucks to greatly improve the efficiency and efficacy of water sprayed for dust suppression. Extends dust-suppressing effects of water trucks up to 500% more than using water alone.



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# Streets Ahead of the Competition >



## **GRT: WET-LOC** WATERLESS DUST CONTROL

An environmentally friendly, clear, and highly refined synthetic fluid independently verified to Australian and New Zealand Food Safety Standards (FSANZ). Designed to handle heavy and damaging traffic movements and is effective for at least 6 months. Easy to handle and can be applied by existing water trucks or farm sprayers, and is ready to be trafficked immediately after application.



## **GRT: SOIL-LOC** BROAD-SCALE DUST CONTROL

A low cost, broad-scale technology designed to prevent wind erosion of exposed areas, such as; open highways, land cleared for development, stockpiles, cropping, lands, and evaporation ponds. The amount applied can be tailored to the risk level of the material and the length of time it will be exposed.



## **GRT: ENVIRO-BINDER** EROSION CONTROL SOLUTION

A unique erosion control product proven to outperform in any application and provide immediate results. Penetrates and binds to form a tough, interconnected structure with the soil particles. Once the polymer dries, a durable, weatherproof surface is formed binding the surface and preventing erosion.



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# Working for the World Wide Community



## GRT Customers World Wide



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# GRT International A Powerful Combination



Global Road Technology is an international company with a wealth of expertise and unrivalled range of environmentally friendly products developed for the construction and maintenance of safe, cost effective, dust free, and more resilient infrastructure across the Roads, Resources and Rural sectors.

## GRT - Designed, Developed, Tested & Proven

**GRT** began its journey as a company seeking to improve the safety and cost effectiveness of roads across the world. Building on this foundation of road building innovation, **GRT** had expanded applications across the roads, resources and rural sectors globally.

**GRT's** breadth and depth of expertise sees its range of products eliminating wind and water erosion, building safer and stronger roads, improving farming land and water storage, and protecting against environmental, health and safety impacts.

## Quality Assured

All **GRT** Products are manufactured to **ISO 9001** standards and have been comprehensively reviewed by leading independent testing institutions and major companies worldwide.

Approving and supporting regulatory compliance practices and principles



## Working for the World Wide Community

We provide solutions to the global challenge of delivering affordable, dust free, safe roads and infrastructure for government, industry, and communities everywhere.



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# GRT 9000

## POLYMER SOIL STABILIZATION

### Stabilized Soil. Stronger Surfaces.

GRT's most advanced polymer soil stabilization product, **GRT9000**, is developed for use in the construction of high quality and cost effective pavement applications.

**GRT9000** is available as a clear drying polymer stabilization agent that works by physically and chemically bonding soil or pavement particles leading to improved compressive strengths, high tensile resilience and water impermeability.

Inadequate pavements (due to pavement life or increased traffic volumes) can result in considerable, detrimental effects for the triple bottom line. Dust, potholes, rutting, corrugation and other surface degradation caused by heavy traffic or extreme weather can cause serious harm to people, the planet and profit.

**GRT9000** polymer soil stabilization helps alleviate these environmental, social and financial concerns. Using in-situ or imported materials, **GRT9000** is used to create a hard, semi-flexible and water impermeable pavement. Mitigating against pavement and surface degradation, **GRT9000** is designed to construct and treat:

- . Haul roads
- . Rural and farming roads
- . Service and hardstands
- . Military Roads & camps
- . Access and temporary roads
- . Unpaved Runways & Helipads
- . Base and sub-base layers of major public roads and
- . Infrastructure

**GRT9000** polymer soil stabilized pavements display high bearing and tensile resistance. They pose a cost effective alternative to traditional bound pavements such as asphalt and concrete, with savings of 50-70% for laid pavements.

Independently verified as environmentally sustainable, **GRT9000** can also be used to improve the performance of traditional cementitious stabilizing agents reducing the quantity of cement or lime required in pavement designs or replacing them completely.

## KEY BENEFITS

### GRT 9000:

Aesthetically pleasing stabilization that maintains the natural look of in-situ material

High strength with polymer treated materials reducing thickness by 70%

Immediate cost benefits from construction and materials efficiency

Long-term cost benefits from lower maintenance and repairs

Environmental protection: **GRT** products are non-toxic, have a low carbon footprint and can be used in in-situ materials

Compared to conventional roads, **GRT9000** polymer soil stabilization drastically reduces material and haulage costs, construction time and your project's carbon footprint (especially in remote areas) - making **GRT9000** roads greener, cost effective and longer lasting.



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# GRT 7000

## POLYMER SEALANT ( ENVIRONMENTAL )

### Naturally Sustainable Roads

A specially formulated liquid polymer, **GRT7000** dries clear and is environmentally friendly. Engineered for use in civil construction, it can act as a clear polymer sealant as well as a high performing stabilization agent.

Polymer sealing with **GRT7000** works differently. With each application, an accumulating number of silty dust particles are bound together, preventing them from becoming airborne.

Due to the cumulative residual nature of the product, over time, the rate of application of **GRT7000** decreases, becoming more economical each year. After initial work, maintenance applications are required only once every 12 to 26 weeks, depending on traffic loading.

Cost savings are achieved with the removal of daily watering and grading, less wear and tear on vehicles, improved haul times and elimination of downtime caused by wet weather.

### Product Deliverables:

- . Simply sprayed from a water truck.
- . Eliminates dust and its impacts ( visibility, health, surrounding areas).
- . Creates a stable, waterproof surface that prevents corrugation and potholing.
- . Improves skid resistance and decreases rolling resistance.
- . Achieves costs savings of 30-40% (independently verified by Deloitte).

### Applications:

The key areas of use for **GRT7000** as a polymer sealant include:

- . Haul roads
- . Touristic Archaeological projects
- . Access tracks
- . Lease pads
- . Tourist aircraft landing areas
- . Military and helicopter runways
- . Protects Interlock side walks and roads and stops water penetration.

## KEY BENEFITS

### GRT 7000:

Ideal for seasonal and short-term applications

Easy application through existing water trucks, Just add water

Robust product characteristics allow it to be applied across a diverse range of industries

Immediate cost benefits compared to continuous watering

Long-term cost benefits from reduced wind borne material loss

Improved health and safety on site-better visibility and reduced dust related respiratory risk

Environmental protection-**GRT7000** is non-toxic, has a low carbon footprint and reduces the damage caused by fugitive dust



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# GRT: HAUL - LOC

## HAUL ROAD DUST CONTROL

### Works with dust so you don't have to!

**GRT: Haul-Loc** is a specially formulated liquid polymer added to watering trucks used to reduce water required for continuous dust suppression by at least 500% and extends dust suppressing effects four to five times longer than water alone.

### Applications:

The key areas of use for **GRT: Haul-Loc** include:

- . Haul Roads - Suppresses dust on unsealed roads, and provides benefits in terms of ride-ability and decreased maintenance costs over time.
- . Cleared Sites - Mitigates the impact of dust on worker safety and condition of the planet and equipment.
- . Environmental Management - Mitigates the impact of dust on surrounding environment and on communities.

### Dust control without overwatering

Left untreated, dust from unsealed roads, hardstands, cleared sites and large soil/mineral stockpiles can have a considerable impact on staff, the environment and the quality of life for local communities.

**GRT: Haul-Loc** minimizes this impact by locking down dust, as well as providing budget savings in the reduction of water truck movements and minimizing the potential for incidents by reducing traffic volumes.

GRT will work with you to devise a full dust mitigation strategy to meet the challenges facing your project or business operation.

**We can also provide ongoing dust monitoring services to ensure the most cost-effective protection over the life of your project.**

**SAVE WATER  
EVERY DROP MATTERS**

## KEY BENEFITS

### GRT Haul-Loc:

**Ideal for established**, permanent operations or long-term projects

**Robust product characteristics** allow it to be applied across a diverse range of industries

**Immediate cost benefits** compared to continuous watering

**Controls your dust** using less water, less trucks, and fewer staff

**Improved health and safety on site** - better visibility and reduced dust-related respiratory risks

**Environmental protection - GRT: Haul-Loc** is non-toxic, has a low carbon footprint and reduces the damage caused by fugitive dust



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# GRT: WET- LOC

## WATERLESS DUST CONTROL

### Lock Down Your Dust - Long Term!

**GRT: Wet-Loc** is our newest and most advanced synthetic total dust control product. Non-hazardous, according to HSNO (Minimum Degrees of Hazard) regulations 2001, environmentally friendly, water resistant, odorless, and effective immediately.

It is environmentally friendly, clear and highly refined synthetic fluid designed to handle heavy and damaging traffic movements for at least

6 months at a time, making it perfect for :

- Packing and loading yards
- Container yards and ports
- Livestock yards, pens, and stables
- Heavy or tracked machinery yards and access roads
- Underground mining
- Racetracks, horse and camel arenas
- Military roads and camps

### GRT: Wet-Loc Works longer and stronger than anything else will!

Easy to handle, **GRT: Wet-Loc** can be applied through existing water trucks or farm sprayers, and ready to be used immediately after application. It works by absorbing into the treated surface, making dust particles too heavy to become airborne, weighing them down like water, but without the threat of evaporation or freezing.



**Independently tested and verified according to FSANZ Standards.**

## KEY BENEFITS

### GRT Wet-Loc:

No ongoing watering requirements

Long-term performance with outstanding UV resistance and stability

Non-slip finish and safe to drive on once product has penetrated the material

Safe for workers, livestock and the environment

Non-film forming makes it perfect for yards, hardstands and roads with heavy truck, tractor, chained wheels or track movements

Formulation resists being washed out by rain unlike many dust suppression products in the market



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# GRT: SOIL - LOC

## BROAD - SCALE DUST SUPPRESSION

### Stop Erosion at the Source!

**GRT: Soil-Loc** is a cost effective, broad-scale wind erosion technology designed to protect sensitive exposed surfaces. High seasonal winds or storm events can remove as much as 50-100mm of materials from exposed surfaces causing land degradation and transportation of unwanted dust and contaminants.

**GRT: Soil-Loc** is the best product for protecting large open areas in the resources sector, at the highways, shoulders & open areas, civil construction, and land development where there is a need to protect against wind and rain erosion of precious commodities or potential contaminants.

### A little goes a long way!

**GRT: Soil-Loc** provides assurance that wind and rain will have negligible impact on operations, staff and other land users by controlling siltation, erosion and fugitive dust. While providing these benefits, this unique formula allows top soil to absorb moisture from irrigation or rain.

### Applications:

Designed to be applied through standard equipment such as hydromulch trucks, water carts, or even irrigation systems,

**GRT: Soil-Loc** is simple to use and safe for vegetation, animals, orkers and neighbours.

The product is diluted with water and best added with agitation or into flowing water to ensure thorough mixing.

**GRT's** specialised long chain polymer (LCP) technology ensures a little goes along way!

## KEY BENEFITS

### GRT Soil-Loc:

**Low cost** - **GRT: Soil-Loc** is the cheapest and most effective insurance on the market

**Effective** - technology is a proven performer in the resource sector both in Australia and Internationally

**Simple** - Apply through your existing truck / mechanical spraying systems

**Ultimate Product** - Solves wind and rain erosion problems - keeping your material where you need it the most - An ultimate solution for sand management on roads and highways

**Environmental** - Product is safe for the environment, and stops the transportation of soil into receiving waters and other sensitive eco-systems



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# GRT: ENVIRO - BINDER

## EROSION CONTROL SOLUTION

### Stop Erosion at the Source!

**GRT: Enviro-Binder** is a unique erosion control product proven to outperform any other application and provide immediate results.

**GRT: Enviro-Binder** penetrates into the soil and forms a complex interconnected structure with the loose granular particles. After the polymer dries, a durable surface is formed that binds the surface and prevents erosion.

Non-toxic and environmentally friendly, **GRT: Enviro-Binder** can be applied in the most environmentally sensitive areas where very low to nil impacts to environmental values are guaranteed for up to 12 months.

**GRT: Enviro-Binder** has been independently tested and extensively used across a wide range of environments, performing at a 99% success rate for erosion and sediment control.

### Applications:

**GRT: Enviro-Binder** is diluted with water and then sprayed on the surface intended to be treated by truck or hand spray. The environmentally friendly, tough and durable polymer is applied to stop erosion on exposed slopes and areas at risk of erosion by rainfall and overland flow. Areas of concentrated flow such as v-drains can also be effectively treated by simply applying multiple coats. The product effectively reduces the risk of wind erosion and subsequent dust generation to almost zero.

### Common applications are:

- . Cut or embankment batters
- . Roads, Highways & Bridges Shoulders
- . Residential open areas "surroundings"
- . V-drain & Catch banks
- . Preload embankment protection

**GRT: Enviro-Binder - long lasting, proven erosion control.**

## KEY BENEFITS

### GRT Enviro-Binder:

Non toxic and environmentally friendly product to both terrestrial and aquatic flora and fauna, livestock, fish and birds

Immediately effective once applied and binds to soil preventing impact and sheet erosion on any exposed soil area including flat surfaces, batters and stockpiles

Supports seed and vegetation growth by forming matrix bonds within the soil allowing the growth to take place whilst maintaining its erosion and dust suppression properties for a long term

Cost-effective results: after assessing cost, the effectiveness of **GRT: Enviro-Binder** allows projects to reduce safety and environmental risks, save time, and ultimately save cost to other potential products

Safer installation sprayed directly onto the surface, cutting out the need for staff to install any product or item on battered surfaces

Waterproof product that is not affected by rainfall or storm events

Ultimate product to solve erosion and sediment issues in the most environmentally sensitive areas



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