



StrataGreen
...grow with us

GLUON™ SOIL STABILISER

APPLICATION GUIDE

WHAT IS GLUON™ Soil Stabiliser?

Gluon™ Soil Stabiliser is a versatile water-based polymer that is sold in 20 litre drums. The product is non-hazardous, non-toxic, and environmentally friendly.

WHAT IS GLUON™ SOIL STABILISER USED FOR?

Gluon™ Soil Stabiliser can be easily sprayed onto, or mixed into, loose soil to provide stable soil solutions ideal for residential use.

Use Gluon™ Soil Stabiliser to lock down surface dust or sand; create pedestrian or cycle pathways; create light vehicle roads; or create novel landscape solutions – it's time to be creative.

Once Gluon™ Soil Stabiliser dries - depending on the amount of product used and the method of application - the treated soil material becomes very strong and resistant to stress, wind, and water.



INTERESTING BENEFITS

- ✓ Protects against wind or water soil erosion
- ✓ Stabilises loose soil material to create solid soil foundations, such as pathways, steps, alfresco areas, light vehicle roads, parking areas, landscape designs, and more
- ✓ Sets clear becoming the colour of the soil material you use
- ✓ Easy to apply using Spray-On or Mix & Compact application methods
- ✓ Suitable for residential DIY projects and commercial use
- ✓ Non-hazardous, non-toxic, and environmentally friendly

COMMON USES



ALFRESCO AREAS

Turn loose ground into stable flooring



BMX, RECREATION & SPORTING GROUNDS

Design fun, durable tracks and significantly reduce dust



RESIDENTIAL PATHWAYS

Stabilise pathways, driveways and steps



COMMERCIAL/PUBLIC WALKWAYS

Increase public safety and simplify maintenance/cleaning



ROADSIDE VERGES

Create added parking opportunities



CURBING & SCULPTED EDGES

Create firm edges/borders for pathways and garden beds



SOIL SURFACE ENGINEERING

Veneer soil to create stable surfaces



LANDSCAPING & XERISCAPING

Enhance water-saving garden design

APPLICATION METHODS

Gluon™ Soil Stabiliser (20 litres) has two main application methods: Spray-On and Mix & Compact.

SPRAY-ON SUMMARY

- 20 litres of Gluon Soil Stabiliser treats approx. 200m² in one application
- Mix Gluon™ Soil Stabiliser 1:4 with tap water
- Apply 500ml of 1:4 mix per 1m² of soil
- Repeat application to achieve desired results

MIX & COMPACT SUMMARY

- 20 litres of Gluon™ Soil Stabiliser treats approx. 2.6m³ of soil
- Mix Gluon™ Soil Stabiliser 1:3 with tap water
- Apply 30 litres of 1:3 mix per 1m³ of soil
- Adjust application rate based on outside temperature and absorption rate of soil

Please note, application rates are indicative only and should be adjusted to suit specific material properties and desired project results.

SPRAY ON APPLICATION

WHEN TO USE SPRAY-ON

Use the Spray-On application method when a surface soil veneer is required to protect against wind or water soil erosion.

WHAT YOU WILL NEED

Spray-On application of Gluon™ Soil Stabiliser needs, as a minimum:

- Watering can
- Tap water
- Gluon™ Soil Stabiliser product

HOW TO SPRAY-ON SOILS

1. Estimate the treatment area in m^2
2. Ensure sufficient product available to treat area (20 litres treats $200m^2$)
3. Mix Gluon™ Soil Stabiliser 1:4 with tap water
4. Apply 500ml of 1:4 mix per $1m^2$ of target area
5. Optional - Allow area to absorb first coat, then immediately repeat application to achieve desired results

DO NOT COMPACT SPRAY-ON TREATED SOIL.





MIX & COMPACT APPLICATION

WHEN TO USE MIX & COMPACT

Use the Mix & Compact application method when a solid soil foundation is required to stabilise loose soil material to create solid soil foundations, such as for pathways, steps, alfresco areas, light vehicle roads, parking areas, landscape designs etc.

What you will need

Mix & Compact application of Gluon™ Soil Stabiliser needs, as a minimum:

- Shovel
- Wheelbarrow
- Screed
- Trowel
- Mechanical compactor
- Tap water
- Gluon™ Soil Stabiliser product
- Cement mixer (Optional)

Note, it is recommended to patch test a small area of representative soil using the desired application method before proceeding.



HOW TO MIX & COMPACT SOILS

Identify your use case:

- Pedestrian footpaths, steps, and landscaping designs need a minimum 5cm application depth
- Light vehicle roads, parking areas, and alfresco areas need a minimum 10cm application depth

Estimate the treatment volume in m³

1. Ensure sufficient product available to treat volume (20 litres treats approx 2.6m³)
2. Dig out the target soil volume
3. Mechanically compact the subsoil surface
4. Mix Gluon™ Soil Stabiliser 1:3 with tap water
5. Combine 30 litres of 1:3 mix per 1m³ of target soil
6. Mix thoroughly
7. Replace the Gluon™ treated soil onto the compacted subsoil
8. Mechanically compact the Gluon™ treated soil surface
9. Finalise compacting & surface design before product dries (1-2 hours)
10. Ensure treated soil is dry before use (at least 2 days)
11. Use the Spray-On application method to repair or reseal as needed





CLEAN-UP AND STORAGE

CLEANING UP

Clean all tools immediately after use, using a soft bristle brush and clean water

STORAGE

Store unused Gluon™ out of direct sunlight and at room temperature



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