



PROZYME

SOILGLU™ PRODUCT GUIDE

SoilGlu™ is a versatile water-based polymer soil stabiliser.

SoilGlu™, also known as Gluon™, is the same formulated product focused on different market sectors. Once SoilGlu™ sets, the product does not soften. The product is non-hazardous, non-toxic, and environmentally friendly.

WHAT IS SOILGLU™ USED FOR?

SoilGlu™ can be used for Surface or Foundation soil treatments which provide soil strengthening solutions that are ideal for residential, trades or commercial use.

Surface (Pour-on) treatments are non-weight bearing with use cases such as:

- Dust control
- Erosion control
- Landscape veneering

Foundation (Mix & Compact) treatment are weight bearing with use cases such as:

- Driveway, parking, and walkway areas
- Garden steps and nature paths
- Outdoor alfresco, firepit, or entertaining areas
- BMX and mountain bike tracks
- Retaining wall areas
- Drainage and draining structure areas
- Curbing and sculptured landscapes

INTERESTING BENEFITS

- Sets clear in the colour of the material used
- Easy to apply using Pour-On or Mix & Compact application methods
- Easy to clean equipment after use
- Easy to maintain and repair application areas
- Suitable for residential DIY, trades, and commercial projects
- Non-hazardous, non-toxic, and environmentally friendly

APPLICATION METHODS

SoilGlu™ has two main application methods depending on which treatment is required: Pour-On or Mix & Compact.

Note – we recommend doing a test before large scale applications.

SOILGLU™
*it's time to
get creative*

POUR ON APPLICATION

WHEN TO USE POUR-ON

Use the Pour-On application method when a non-weight bearing surface soil veneer is required. Apply SoilGlu™ at 1L per 10m².

POUR-ON APPLICATION METHOD

1. Measure application area (m²)
2. Calculate SoilGlu™ (L) required: 1L SoilGlu™ per 10m²
3. Purchase required product from Prozyme or an authorised distributor
4. Plan application for clear, dry weather – if forecasted to rain, reschedule application
5. Collect application equipment
6. Mix 1L SoilGlu™ into 5L Water (1:5)
7. Pour-On 6L of mixture per 10m² of surface area
8. Clean equipment and work area
9. Prevent walking or driving on treated area
10. Reapply using SoilGlu™ Pour-On if necessary

MIX & COMPACT APPLICATION

Use the Mix & Compact method when a weight bearing foundation treatment is required. Apply SoilGlu™ at a minimum 1% SoilGlu™ volume per total treatment volume.

MIX & COMPACT APPLICATION METHOD

1. Call Prozyme Technical Support for assistance
2. Check soil suitability for desired use case
3. Stop if soil sizing is greater than 8mm
4. Measure application area (m²)
5. Determine application depth (mm) (see technical section)
6. Calculate soil treatment volume (m³, 1m³ = 1000L)
7. Calculate SoilGlu™ (L) required: minimum 1% SoilGlu™ v/v application rate
8. Test SoilGlu™ application method under representative conditions
9. Check & adjust application method for full scale application
10. Purchase required product from Prozyme or an authorised distributor
11. Plan application for clear, dry weather – if forecasted to rain, reschedule application
12. Prepare application equipment
13. Prewater base layer using 1L SoilGlu™ into 10L Water mix (1:10)
14. Mix 10L SoilGlu™ into 50L Water (1:5) per 1m³ of soil volume
15. Evenly add 60L of mixture to 1m³ of soil assuming minimum 1% application rate
16. Check and adjust addition of mixture to achieve desired results
17. Thoroughly compact treated soil
18. Clean equipment and work area
19. Prevent walking or driving on treated area until fully dry
20. Apply SoilGlu™ Pour-on if necessary

DRYING TIMES

SoilGlu™ drying time depends on the amount of water used in the application and local weather conditions. For foundation treatments, we recommend making a small sample adjacent to the larger application to test for dryness before actively using the new foundation.

In hot weather, extend working times by using a higher ratio of water up to 1:7. In cold weather, shorten drying times using a lower ratio of water down to 1:3.

CLEAN UP & STORAGE

Clean all equipment and tools immediately after use using a soft bristle brush and water. For additional protection, pre-apply a lanolin product to equipment or tools for even easier clean-up.

STORAGE

Store SoilGlu™ out of direct sunlight and at room temperature.



TECHNICAL INFORMATION

The table below is a general recommended application depth guide for the Mix and Compact method based on common use cases.

USE CASE	DEPTH (MM)
DRIVEWAY	
Normal Vehicles	100mm
Heavy Vehicles	150mm
PARKING	
Normal Vehicles	100mm
Heavy Vehicles	150mm
WALKWAY	
Pedestrian	50mm
Bicycles	80mm
Steps	100mm
OUTDOOR AREAS	100mm

The table below is a general recommended application rate guide for the Mix and Compact method based on common soil types and particle sizes.

SOIL TYPES	Soil Glu %
Fine soils, 0.002 to 0.05mm (clay and silty)	2-3%
Medium fine soils, 0.002 to 2mm (sand, clay, silts)	1-2%
Medium soils, 0.05 to 8mm (gravel, crushed, decomposed)	1-2%
Large soils, 2 to 8mm (aggregates, pea gravel, rocks)	2-3%

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