



LANDSCAPE LOCK® - Decomposed Granite Pathway Application Instructions

1.) Prepare the Site:

a. Prepare your sub-base

Plan out the area you want to make your pathway. Determine your pathways finished height and measure its dimensions and prepare your material lists. *Landscape Lock* will average 2.5m² per litre over the two applications required to make a strong pathway.

If your site has sandy soil, a compacted sub base will provide a stronger, longer lasting pathway

To create a strong sub-base for your pathway, spread Crusher Dust at a depth of 75mm to 100mm over the area. You may have to remove dirt before adding the Crusher Dust depending on the intended final height of the pathway. Lightly dampen the sub-base material and compact until firm. This may take several passes.

b. Prepare your base

It is important to pick an appropriate aggregate to use with *Landscape Lock*. The aggregate must contain about 50% fines.

Evenly graded rock and stone will not work because there is no fine grained aggregate to fill in the spaces between the rocks.

Spread a 50mm layer of crushed rock and fines or decomposed granite evenly over the pathway area. *Landscape Lock* is absorbed better in moist materials. Pre-moisten your base material if it's dry. Allow 60-90 minutes for the water to fully absorb. A second wetting prior to application may be necessary in hot weather.

Dry Soil: The site must be free from rain for a minimum of 72 hours after the application.

Weather: Temperature must be at least 8°C.

Drainage: Optimally, contour the site to provide for proper drainage to prevent channelled water flow.

2.) Prepare Application Equipment

Use Garden watering can or pressure spray pack.

If using watering can, measure output of can with water before using *Landscape Lock* to ensure the correct application rate is used.

If using pressure sprayer:

Spray Nozzles: Set spray nozzles to the desired width, height and output rate.

Coverage: The spray nozzles should provide an even coat over the treatment area with each pass.

Spray Rate: Set the spray rate high enough to allow even coverage with multiple coats and low enough to prevent material from draining away from the treatment area.

Pre-Wetting (Optional): Optimally, pre-wet the treatment area with water (only) to break the surface tension and increase penetration depth. Pre-wet at a rate of 2m²/litre of water.

3.) Prepare the *LANDSCAPE LOCK* Dilution:

Area to be treated	m ² /L	L/m ²	Parts Water	Traffic Area	Life (months)	m ² to be treated	Litres of <i>LANDSCAPE LOCK</i> required	Litres of water required	Litres of dilute required	L/m ² of dilute
Walking Trails and Paths	2.5	0.4	4	Yes	12 to 24	100	40	160	200	2

Water: Fill the application equipment with the recommended volume of water.

Example:	Walking Trails and Paths - traffic = 2.5m ² /litre + 4 parts water
Equipment:	5 litre garden watering can
Calculation:	4+1 = 5 parts dilution total. 5 litres / 5 parts = 1 litre per part
Volume of Water:	1 litre X 4 parts = 4 litres of water
Volume of <i>LANDSCAPE LOCK</i> :	1 litre X 1 part = 1 litres of <i>LANDSCAPE LOCK</i> concentrate
Volume of Dilution:	1 litre of <i>LANDSCAPE LOCK</i> + 4 litres of water = 5 litres of <i>LANDSCAPE LOCK</i> dilution
Application Rate:	Apply Landscape Lock at rate of 4.4 litres per m ²

***LANDSCAPE LOCK*:** Fill the application equipment with the recommended volume of *LANDSCAPE LOCK* concentrate.

Foaming: To prevent foaming, add the *LANDSCAPE LOCK* concentrate last, directly into the water.

4.) Apply the **LANDSCAPE LOCK** Dilution

DO NOT compact your base prior to the first application of *Landscape Lock*. The liquid will not penetrate properly.

The *Landscape Lock* dilution can be applied with a garden watering or a pump sprayer. Apply at a rate of 1.5 litres per m² as per above table. Keep

Compact your pathway Immediately after applying the first coating of *Landscape Lock*, make several passes over your *Landscape Lock* saturated base using a vibrating plate compactor. The more compacted the base is, the stronger your pathway will be.

WAIT 6-24 hours to allow the stabilizer to cure before applying the 2nd and final topcoat of *Landscape Lock*.

Multiple Coats: Apply the *LANDSCAPE LOCK* dilution in coats over the treatment area. On slopes, the steeper the slope, the need for more coats (to prevent run-off and increase penetration depth).

Drying: Each successive coat of *LANDSCAPE LOCK* dilution should be applied in a timely manner to ensure that the surface always stays wet with the *LANDSCAPE LOCK* dilution. On slopes, DO NOT allow the *LANDSCAPE LOCK* dilution to dry in between the application coats. Failure to do so will result in an underperforming “skin” layer rather than a penetrating layer.

5.) Clean the Application Equipment

Rinse: Rinse off all application equipment thoroughly with water until clean. If *LANDSCAPE LOCK* is allowed to dry and cure, use a pressure washer or steam cleaner and a brush to remove residue.

Traffic: Prevent any human activity over the treated area until completely dry

Curing: Allow the treated area to dry and cure for approximately 24 hours at 21°C.

Performance Factors:	Application rate, sub-base, soil type, dilution, compaction, traffic, penetration, climate & others
Maintenance:	Approximately 30% the original volume used after the first 12 months. Cumulative.
Rain / Precipitation:	Once cured, <i>LANDSCAPE LOCK</i> is no longer water soluble and will not dissipate or wash away.

Please call LANDSCAPE LOCK on 07 3279 2554 or email us at admin@landscapelock.com.au with any questions.