



Instructions For Application of Landscape Lock

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LANDSCAPE LOCK® - Woodchip and Other Mulch Application **Instruction for use**

NB: 10 LITRES OF LANDSCAPE LOCK REQUIRED PER 100 SQUARE METRES OF WOODCHIP MULCH – LESS FOR OTHER MULCH TYPES

1.) Prepare the Site:

Dry Mulch: The site should be completely dry and free from water. The site must remain free from rain for a minimum of 24 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

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): Pre-wet the mulch with a very light spray of water (only) to break the surface tension and increase penetration depth.

3.) Prepare the *LANDSCAPE LOCK* Dilution:

Substrate to be treated	Parts concentrate	Parts Water	Total sq m per litre of mix	Example m ² to be treated	Litres of <i>LANDSCAPE LOCK</i> required for 100m ²	Litres of water required	Litres of dilute
Stones up to 20 mm diameter	1	3	2	100	12.5	37.5	50
Wood Chip mulch (Flat to mild slope)	1	4	2	100	10	40	50
Wood Chip mulch (STEEP SLOPE)	1	4	1.5 - 2	100	10 - 13	40 -53	50 -66
Pine bark and tea tree mulch	1	4	3	100	7	27	33
Fine mulch	1	5	3	100	5.5	27.5	33
Straw and sugar cane mulch	1	6	4	100	3.5	21.5	25

Add Water: First fill the spray application equipment with the required volume of water and add the required volume of Landscape Lock concentrate to the water. Shake well to mix.

Example:	Woodchip mulch (no traffic) flat to mild slope: mix 1 litre Landscape Lock to 4 litres clean water mix and apply at 2m ² /litre of diluted mixture to coat 10 square metres per litre of concentrate.
Equipment:	5 litre spray pack preferred however any pressure spray bottle may be used
Calculation:	5 litres of Landscape Lock mixed with 20 litres clean water will cover 50 square metres of mulch.
Application:	Apply the dilution at the recommended rate (as per table above)

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

4.) Apply the *LANDSCAPE LOCK* Dilution

Multiple Coats: Apply the *LANDSCAPE LOCK* dilution in coats over the treatment area. On slopes, the steeper the slope, the increased 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, immediately after use. If *LANDSCAPE LOCK* is allowed to dry and cure, use a pressure washer or steam cleaner and a brush to remove residue.

Store spray head in a bucket of water between coats to prevent nozzle blockage.

Traffic: Prevent any human activity over the treated area.

Curing: Allow the treated area to dry and cure for approximately 24 to 48 hours. Do not touch the treated area until the product is dry.

Performance Factors:	Application rate, mulch type, dilution rate, compaction, traffic, penetration, climate & others
Maintenance:	Recoat using a lighter coverage than originally applied after 12 months of exposure. Blow dust off mulch before recoating.
Rain / Precipitation:	Once cured, <i>LANDSCAPE LOCK</i> is no longer water soluble and will not dissipate or wash away.



LANDSCAPE LOCK® - Pebbles Application Instructions - use pebbles and stones up to 20mm diameter

! Landscape Lock is not designed for high traffic pebble pathways !

! Landscape Lock may cause discolouration of white pebbles over time !

1.) Prepare the Site:

Dry Pebbles: The site should be completely dry and free from water. The site must be free from rain for a minimum of 24 hours after the application.

Weather: Temperature must be at least 8°C.

Compaction (Optional): Compaction is not required but is recommended for optimal longevity. Compact the pebbles by walking over the site to ensure the pebbles are lying close together.

2.) Prepare Application Equipment

Use Pressure Pump Spray Applicator

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.

3.) Prepare the *LANDSCAPE LOCK* Dilution:

Substrate to be treated	Parts concentrate	Parts Water	Total area per mix	Example m ² to be treated	Litres of <i>LANDSCAPE LOCK</i> required for 100m ²	Litres of water required	Litres of dilute
Pebbles up to 30mm diameter	1 litre	3 litre	8sq m	100	12.5	37.5	50

Example:	Pebbles (no traffic) add 1 litre Landscape Lock to 3 litres clean water and mix well.
Equipment:	5 litre spray pack
Calculation:	5 litres of <i>LANDSCAPE LOCK</i> mixed with 15 litres clean water will cover 40 square metres of pebbles.
Application Rate:	Apply the dilution at a rate of 1 litre per 2 square meters

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

4.) Apply the *LANDSCAPE LOCK* Dilution

Multiple Coats: Apply the *LANDSCAPE LOCK* dilution in multiple coats over the pebbles.

Drying: Wait for the first coat to become touch dry before applying the second coat of *LANDSCAPE LOCK* dilution.

5.) Clean the Application Equipment

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

Store the spray head in a bucket of water between coats to prevent nozzle blocking.

Traffic: Prevent any human activity over the treated area.

Curing: Allow the treated area to dry and cure for approximately 24 to 48 hours. Do not touch the treated area until the product is dry.

Performance Factors: Application rate, pebble size, pebble type, dilution, compaction, traffic, penetration, climate & others

Maintenance: Approximately 30% the original volume used after the first 12 months.

Rain/Precipitation: Once cured, *LANDSCAPE LOCK* is no longer water soluble and will not dissipate or wash away.

Warning:

White or light coloured pebbles could become discoloured over time where Landscape Lock has been applied.

Causes can be:

Dust and dirt accumulates on the coated surface of the pebbles. When Landscape Lock becomes wet its surface softens and upon re-solidification can bond the dirt to the pebble. A suggestion to avoid this is to use a garden leaf blower, on a regular basis, to clean the pebbles.

Landscape Lock contains biodegradable components. Microbial organisms can grow on the Landscape Lock film leaving a residue that causes the pebbles to darken. To avoid this please occasionally spray the area coated with Landscape Lock with a dilute bleach/water solution or vinegar/water solution.



LANDSCAPE LOCK® - Decomposed Granite Pathway Application Instructions

For garden paths – golf course pathways – public garden walkways – bike riding trails – bush walking tracks

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* usage of concentrate will require approximately 1.1 litre per 2 sq m over the two applications required to make a strong pathway.

If your site has sandy or loose 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 soil 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. A good material is decomposed granite chips.

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, pre-wet at a rate of 2m²/litre of water. Allow 60 minutes for the water to fully penetrate. A second wetting prior to application may be necessary in hot weather.

Dry climate: 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.

3.) Prepare the *LANDSCAPE LOCK* Dilution:

Substrate to be treated	Parts concentrate	Parts Water	Total sq m per litre of mix	Example m ² to be treated	Litres of <i>LANDSCAPE LOCK</i> required for 100m ²	Litres of water required	Litres of dilute
Walking Trails and Paths - BASE	1	4	0.5	100	40	160	200
Top Coating	1	3	1.6	100	15	45	60

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* or the liquid will not penetrate properly.

The *Landscape Lock* dilution can be applied with a garden watering can or a pump sprayer. Apply at a rate of 2 litres per m² as per above table.

Do not apply excess in any particular area. Keep moving the applicator to prevent the mixture running off the surface.

Delay compacting your pathway for 30 – 45 minutes after applying the first coating of *Landscape Lock*. Make several passes over your *Landscape Lock* saturated base using a vibrating plate compactor or heavy stamper. 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* at the dilution rate and application rate as per the above table.

5.) Clean the Application Equipment

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

Store spray head in a bucket of water between coats to prevent blockage.

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

Curing: Allow the treated area to dry and cure for approximately 24 to 48 hours at 21°C.

Performance Factors:	Application rate, sub-base, soil type, dilution, compaction, traffic, penetration, climate & others
Maintenance:	Re-coat surface as required - timing between coatings will depend on traffic usage, re-coat at least every 12 months.
Rain / Precipitation:	Once cured, <i>LANDSCAPE LOCK</i> is no longer water soluble and will not dissipate or wash away.



LANDSCAPE LOCK® - Dust Suppression for Yards and Driveways

REQUIRES 4.5 LITRES OF LANDSCAPE LOCK

PER 100 SQUARE METRES COVERAGE

1.) Prepare the Site:

Dry Soil: The site should be completely dry and free from water. The site must be free from rain for a minimum of 24 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

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.

3.) Prepare the LANDSCAPE LOCK Dilution:

Substrate to be treated	Parts concentrate	Parts Water	Total sq m per litre of mix	Example m ² to be treated	Litres of LANDSCAPE LOCK required for 100m ²	Litres of water required	Litres of dilute
Dirt yards and driveways	1	10	2	100	4.5	45	50

Mixing instructions: Fill the spray application equipment with the required volume of water and then add the required volume of Landscape Lock concentrate to the water. Shake well to mix.

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

4.) Apply the *LANDSCAPE LOCK* Dilution

Single coat: Apply the *LANDSCAPE LOCK* dilution in a single coat over the treatment area ensuring complete coverage. For driveways focus on areas not driven on such as the centre strip and verges where loose dust accumulates.

5.) Clean the Application Equipment

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

Traffic: minimize any human activity over the treated area.

Curing: Allow the treated area to dry and cure for approximately 24 hours.

Performance Factors: Application rate, soil type, dilution, compaction, traffic levels, penetration, climate & others

Maintenance: Recoat surface as needed.

Rain / Precipitation: Once cured, *LANDSCAPE LOCK* is no longer water soluble and will not dissipate or wash away.
