



Use Terraseeding Topdress under the following conditions:

- Where turf needs to be renovated
- Where soil compaction is a problem
- To introduce new seed to existing vegetation
- Organic Topdressing and/or Overseeding for Sportsfield Maintenance or Renovation

## 1.0 Description

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This work shall consist of applying organic topdressing, injected with an appropriate seed mix (if required) on an existing athletic turf surface.

- 1.1 This surface must be pneumatically applied by Groundcover™, Albany, Auckland 1330, Phone 09 414 7560 (fax 09 414 7561) or equivalent.
- 1.2 Materials must be applied using a pneumatic blower unit complete with a supplemental granular injection system capable of installing at least 15 cubic metres per hour.
- 1.3 Contractor must have a proven track record in successfully applying Terraseeding™.

## 2.0 Material

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The material shall consist of organic materials, according to certain particle sizing specifications.

- 2.1 Particle size - 99% passing through a 12mm sieve.
- 2.2 Compost - The compost shall be derived from well-decomposed green waste organic matter produced by controlled aerobic (biological) decomposition that has been sanitised through the generation of heat and stabilised to the point that it is appropriate for this particular application. Compost material shall be processed through proper thermophilic composting, for a 'process to further reduce pathogens' (PFRP). The compost portion shall meet the chemical, physical and biological properties (as outlined in the chart on reverse)

- 2.3 Quality Assurance - A proof of compost quality meeting the guidelines in section 2.2 shall be submitted to the engineer/landscape architect for approval prior to installation.
- 2.4 Fertility – Should provide a balanced source of organic based Micro and Macro nutrients to sustain plant growth throughout the first 3 months of establishment.

### **3.0 Pre-Application Procedure for Turf Maintenance**

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- 3.1 Complete a soil analysis where necessary
- 3.2 Apply selective weed control herbicide
- 3.3 Mow turf one day before to a height of no more than 60mm.
- 3.4 Core-aerate turf to a depth of 65 to 75 mm using 7 to 15mm tines. Complete multiple passes on heavily compacted areas.
- 3.5 Thoroughly irrigate area immediately after process.

### **4.0 Pre-Application Procedure for Turf Renovation**

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- 4.1 Complete a soil analysis where necessary
- 4.2 For severe cases, apply a non-selective herbicide
- 4.3 Mow turf area to a height of no more than 25mm, near the soil surface.
- 4.4 Core-aerate turf to a depth of 65 to 75 mm using 7 to 15mm tines. Complete multiple passes on heavily compacted areas.
- 4.5 Thoroughly irrigate area immediately after process.

### **5.0 Application**

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- 5.1 The organic blend shall be placed as shown on the plans or as directed by the Engineer.
- 5.2 The material shall be uniformly applied directly at the soil surface with a pneumatic blower. The organic blend shall be applied at a minimum depth of 15mm for turf maintenance and up to 40mm for turf renovation (depending on severity of damage), overlapping approximately 1 metre into surrounding turf area (if applicable).
- 5.3 The seed (if required) shall be simultaneously injected into the product flow at the rate prescribed by the seeding supplier's recommendations or as specified by the Engineer/Landscape Architect.
- 5.4 Application depth may be modified depending on field use. A 75mm application is recommended for premium soccer pitches, where high wear is an issue.

## 6.0 Maintenance

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The Contractor shall maintain the surface in a functional condition for a period of one year (Fertilization and Mowing excepted). Contractor shall make periodic inspections of the surface for effectiveness and shall immediately correct all deficiencies. Where deficiencies exist, additional material shall be installed immediately to required depth.

## 7.0 Method of Measurement

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Surfaces shall be measured by the square meter, complete in place.

## 8.0 Performance

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- 8.1 Place organic blend/seed on denuded areas immediately or as directed by Engineer/Landscape Architect.
- 8.2 Standards - Contractor must provide complete warranty service for a period of one year given the above specifications are met.
- 8.3 Contractor is responsible to ensure germination rates are agreed upon in advance of application, however, the process must accomplish 80% minimum germination measured by the square meter coverage.
- 8.4 This warranty is void unless adequate moisture has been available (25mm per week).