



# PRODUCT TECHNICAL SHEET

## Soil Mixes

### product name

### Native Landscape Mix

### description

Native Landscape Mix is a friable' porous soil blend with no added fertiliser. The inclusion of sand in this mix gives improved drainage whilst combined with a pH in the neutral to slightly alkaline range makes this garden mix suitable for all plant species but especially Australian Natives. Particular characteristics of this soil media being low phosphorous and good hydraulic conductivity (drainage) have enabled this product to be certified to Australian Standard AS4419, " Soils for Landscaping and Garden use with particular reference to its suitability to Australian Native Species.

### source

Extracted VENM soil and sand from Soilco Pty Ltd Wogamia.  
Compost manufactured from recycled organics and blended with other ingredients to meet Australian Standard AS4419 - Soils for "Landscaping and Garden Use"

### benefits

- :: Certified venm soil, free from contaminants found in building site excavated soils.
- :: Free draining blend.
- :: Organic matter provides slow releasing organic nutrients & water holding capacity.
- :: Low phosphorus - suitable for sensitive species.
- :: Economical product also suitable for commercial landscaping application.

### application

All existing weeds, rubble or turf should be removed.  
Apply at the required depth - avoiding compaction.  
Fertiliser suitable for specific plants should be applied at the appropriate time as no fertiliser component is incorporated in this product.



### characteristics

Specification	Native Landscape Mix	AS 4419 - Organic Soil
Bulk Density	0.8m <sup>3</sup> per tonne	Greater than 0.6m <sup>3</sup> per tonne
Particle Size Grading	% Passing	
10mm	95%	Acceptable for Organic Soil
10mm to 20mm	4.5%	
Organic Matter	16% dry wt	15 - 25% Acceptable
Wettability	23mm/minute	>5mm/min Acceptable
pH	Typically 7.0 - 7.4 pH units	Acceptable
EC	2 - 2.2dS/m	Acceptable
P - phosphorus total	1 mg/litre	Less than 3mg/litre suitable for very P sensitive plants

This material, when compared with AS4419 for landscaping and garden use has good physical and chemical properties. The phosphorus levels indicate that this mix is suitable for phosphorus sensitive species.



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### chemical & organic contaminants

Product tested for chemical & organic contaminants - All acceptable.

### microbiological standards

Product tested for E.coli, Faecal coliforms and Salmonella sp. - None detected.

Product results met NSW EPA requirements for Contamination Grade A - **Classification Unrestricted use.**

Minimum Quality Grade	Allowable land application use								
Contaminant Grade	Classification	Home Lawns & Gardens	Public Contact Sites	Urban Landscaping	Agriculture	Forestry	Soil & site rehabilitation	Landfill disposal	Surface land disposal
Grade A	Unrestricted Use	●	●	●	●	●	●	●	●

### about australian native plants

Many Australian native plants are very adaptable and are easy to grow in gardens, but because Australia is a large continent with a considerable range of diverse climates, some natives are difficult to grow, except in conditions close to their natural environment.

When Soilco design a soil media suitable for growing native plant species the following factors are taken into account:

**Phosphorous.** Due to the typical low quantities of available phosphorus in Australian soils, native plant species have developed the ability to obtain phosphorous at these low levels. As a result high levels of phosphorous can be toxic to native species.

**Drainage.** Native plants are sensitive to excessive moisture levels, and thus it is important for soil blends to have good hydraulic conductivity.

**Salinity and Nutrient Content.** High electrical conductivity can cause root damage and subsequent death of native species.

**Iron Content.** Native species generally have a high requirement for iron to maintain effective growth.

### mulching

It is best to disturb as little as possible the soil in which native plants are growing as they are sensitive to root damage. Mulching is therefore essential as it keeps down weed growth, conserves moisture, and maintains a satisfactory structure on the soil surface. Composted organic mulches will also perform as a slow release fertiliser as they breakdown and return organic matter to the soil.

### compost & fertiliser

Native Plants do in fact respond to feeding, but large doses of artificial fertilisers should be avoided due to sensitivity. Compost and organic fertilisers such as blood and bone are beneficial as they are slow release. Compost should be covered by a coarser mulch to prevent fine roots remaining at the surface. Cultivation should be avoided so as not to disturb the root system.

### for more information

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