



Specification Sheet

Verdyol Biotic Earth Black

Product Description:

Verdyol Biotic Earth Black is specifically designed to assist in the creation of a suitable growth medium for establishing vegetation over poor and deficient soil. It is also designed to speed up the vegetation establishment and full expression, as well as increases the survivability of vegetation where used. This product is designed for hydraulic application, but dry application (hand spreading) is also acceptable.

For Use on Sites Where:

- Soil tests show less than 5% organic material
- Where topsoil intended for revegetation has been stockpiled for extended periods or is of less than ideal quality
- As a replacement for compost or other soil improvement methods
- Steep slopes or other site conditions make installation of topsoil or compost difficult
- Where fast establishment of vegetation is required

Please note: Verdyol Biotic Earth Black is a soil improvement product so an adequate and separate erosion control product (RECP, TRM, or Hydraulic) is recommended for site protection.

Performance Properties			
Vegetation Establishment and Germination Improvement	ASTM D7322*	%	1502%
Average Plant Height	ASTM D7322*	%	308%
Plant Mass per Area	ASTM D7322*	%	419%
Material and Environmental Properties			
Organic Material	ASTM D586	%	>95
Water Holding Capacity	ASTM D7367	%	1020%
pH	Saturated Media Extract Method	n/a	6 +/- 1
C:N Ratio	Independent laboratory	n/a	35:1 (+/- 10)
Natural Material Color (Dye Free)	Observed	n/a	Dark Brown/ Black
Moisture Content	Independent laboratory	%	30.50%
Acute Toxicity	EPA TM 2002.0	na	100% Non Toxic
Foreign Seed Content	Viability Analysis	%	0%
Product Composition			
Professional Grade Peat Moss		%	57%
Thermally and Mechanically Processed Straw and Flexible Flax Fiber		%	40%
Trace Minerals, Plant Based Biodegradable co-polymer, sugars, starches, proteins, and 16 amino acids (including folic acid, vitamin A, and tricontanol growth stimulants/ regulators)		%	2%
Multiple Species of Both Mycorrhizae and Beneficial Bacteria		%	1%
Material Viability			
Biotic Earth moisture content ensures microbial viability in excess of 75% for two years from date of manufacture.			
Packaging Properties			
Bag Weight	Scale	kg (lb.)	22.7 (50)
Bags per Pallet	Observed	#	42
UV and weather resistant bags. Pallets are weather proof stretch wrapped with a UV resistant pallet cover. Dates on manufacture listed per bag			
*percentages are the average of 7, 14, and 21 day results of ASTM D7322			
To the best of our knowledge the information contained herein is accurate. However, ECBVerdyol cannot assume any liability whatsoever for the accuracy or completeness thereof.			