



Solutions for your Environment™

ProGanics® Dual™ Biotic Soil + Erosion Control



**GREEN DESIGN
ENGINEERING™**
EARTH-FRIENDLY SOLUTIONS
FOR SUSTAINABLE RESULTS™

Description

ProGanics® Dual™ Biotic Soil + Erosion Control is a holistic formulation designed to efficiently accelerate development of depleted soils/substrates with low organic matter and limited biological activity while simultaneously providing effective site erosion protection in a convenient one step application. ProGanics Dual is non-toxic and contains bark and wood fibers that have been phyto-sanitized to eliminate potential weed seeds and pathogens. The patented ProGanics Dual formulation also contains a proprietary composition of naturally derived cross-linked biopolymers and water absorbents to achieve Bonded Fiber Matrix (BFM) erosion control performance. Upon application, ProGanics Dual forms an intimate bond with the soil surface to create a continuous, porous, absorbent and flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth.

Recommended Applications

- Development of Soils with Low Organic Matter (< 5%)
- Rapid Establishment and Sustained Growth of Vegetation
- Replacement of Costly or Difficult to Obtain Topsoil or Compost
- Erosion control for slopes ranging from mild to steep (≤ 2H:1V)
- Convenient and Efficient One-Step Application

Soil Building, Revegetation and Erosion Control

Mix seed and specified Prescriptive Agronomic Formulations at recommended rates in approved hydraulic seeding/mulching equipment when water has reached approximately 1/3 of the working capacity. Add ProGanics Dual at a rate of 75 pounds per 100 gallons of water (34 kg / 379 L) in hydraulic equipment while agitating. Add fertilizer when the tank is approximately 3/4 full. Apply ProGanics Dual at application rates determined by Slope Gradient and/or soil Organic Matter content, whichever may be the limiting factor, over properly prepared surfaces that are deemed geotechnically stable. Follow all manufacturer's product selection guidelines or go to www.ProfilePS3.com for assistance.

Technical Data

Physical Properties*	Test Method	Units	Typical Value
Organic Material	ASTM D586	%	≥ 95
Mass/Unit Area	ASTM D6566 ¹	g/m ² (oz/lyd ²)	≥ 729 (21.4)
Ground Cover	ASTM D6567 ¹	%	≥ 99
Water Holding Capacity	ASTM D7367	%	≥ 850
pH	ASTM D1293	n/a	6.0 ± 1.0
C:N Ratio	ASTM E1508 & EPA Method 1687	n/a	50:1 ± 10
Material Color	Observed	n/a	Brown
Performance Properties*	Test Method	Units	Typical Value
Cover Factor ²	Large Scale ⁴	n/a	≤ 0.05
Percent Effectiveness ³	Large Scale ⁴	%	≥ 95
Cure Time	Observed	hours	4 - 8
Vegetation Establishment	ASTM D7322	%	≥ 700
Environmental Properties*	Test Method	Units	Typical Value
Functional Longevity ⁵	ASTM D5338	months	≤ 12
Ecotoxicity	EPA 2021.0	%	48-hr LC ₅₀ > 100%
Biodegradability	ASTM D5338	n/a	Yes
EPA 503 Metals - Pass/Fail	EPA 503	Pass/Fail	Pass
Pathogen Reduction	40 CFR 503 Class A Compost	Pass/Fail	Pass
Product Composition			Typical Value
Thermally Processed Bark and Wood Fibers ⁶ (within a pressurized vessel)			85%
Proprietary Blend of Wetting Agents, Crosslinked Biopolymers, Water Absorbents, Biochar, Seaweed Extract, Humic Acid, Endomycorrhizae and Beneficial Bacteria			11%
Crimped, Biodegradable Interlocking Fibers Derived from Regenerated Plant Sources			4%
Moisture Content			12%
Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40

UV and weather-resistant plastic bags. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

Packaging Data

Profile Products

750 Lake Cook Road, Ste. 440
Buffalo Grove, IL 60089
800-508-8681 or +1-847-215-1144
www.profileproducts.com

To the best of our knowledge, the information contained herein is accurate. However, Profile Products cannot assume any liability whatsoever for the accuracy or completeness thereof. Final determination of the suitability of any information or material for the use contemplated, of its manner of use and whether the suggested use infringes any patents is the sole responsibility of the user. Profile Products 2019©