



ProGanics DUAL® Biotic Erosion Control Matrix



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

Solutions for your Environment™

Description

ProGanics DUAL® is a biodegradable Biotic Erosion Control Matrix (BECM) designed to efficiently accelerate development of depleted soils/substrates with low organic matter and limited biological activity while simultaneously providing effective erosion protection in a convenient one-step application. ProGanics DUAL made in the United States, plastic-free, contains 100% recycled bark and wood fibers that have been phytosanitized to eliminate potential weed seeds and pathogens. The patented ProGanics DUAL formulation also contains a proprietary composition of crimped biodegradable interlocking fibers derived from regenerated cellulose sourced from sustainably harvested wood, micro-pore granules, 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

Technical Data

Physical Properties*	Test Method	Units	Tested Value
Topsoil & Engineered Soil Amendment	ASTM D5268-19	n/a	Compliant
Organic Material	ASTM D586	%	≥ 95
Mass/Unit Area	ASTM D6566 ¹	g/m ² (oz/yd 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	Tested Value
Cover Factor ²	ASTM D8298-Type 1	n/a	≤ 0.05
Percent Effectiveness ³	ASTM D8298-Type 1	%	≥ 95
Vegetation Establishment	ASTM D7322	%	≥ 700
Functional Longevity ⁴	ASTM D5338	months	≤ 12
Cure Time	Observed	hours	12 - 24
Environmental Properties*	Test Method	Units	Tested Value
Ecotoxicity ⁵	EPA 2021.0	n/a	Non-Toxic
Biodegradability	ASTM D5338	n/a	Yes
USDA BioPreferred [®] Biobased Content	ASTM D6866	%	100
EPA 503 Metals - Pass/Fail	EPA 503	Pass/Fail	Pass
Pathogen Reduction	40 CFR 503 Class A Compost	Pass/Fail	Pass
Elemental Impurity Limits	ASTM D8082	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, Micro-pore Granules	11%		
Crimped Biodegradable Interlocking Fibers derived from regenerated cellulose sourced from sustainably harvested wood	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.			



Made in USA

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.

© 2022 Profile Products

ProGanics DUAL DS