



Now You Can Get Biotic Soil Media with Erosion Control That Works.

NEW



ProGanics® DUAL™

BIOTIC SOIL + EROSION CONTROL

Get In, Get It Done and Move On

- New ProGanics DUAL is a hydraulically applied Biotic Erosion Control Matrix (BECM) that combines the soil-building properties of ProGanics® Biotic Soil Media (BSM) with the erosion control performance of a Bonded Fiber Matrix (BFM)
- Accelerates development of depleted soils and vegetative establishment while simultaneously providing highly effective erosion protection in a consolidated, one-step application
- Best for sites with:
 - Poor soil conditions, including low organic matter content
 - Low to moderate erosion potential (slopes up to 2H:1V)
 - Limited access where multiple applications add significant cost or are not feasible
 - Large projects where application efficiency is paramount
- Reduces total number of tank loads and application time without sacrificing results
 - Lowers project cost
- Simplifies complex projects by reducing the number of products to get the job done
- Application rates can be adjusted for differences in site conditions
- Features the highest water-holding capacity and erosion control effectiveness of any "all-in-one" product
- High loading
 - 75 pounds per 100 gallons (34 kg/379 L) using machines with mechanical agitation and either gear or centrifugal pumps

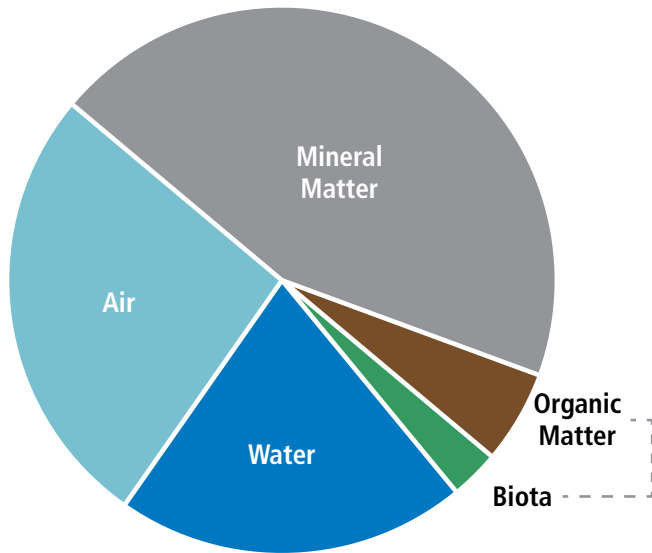


APPLICATION RATES			
% Organic Matter ¹	Slope Gradient	English (lb/ac)	Metric (kg/ha)
< 5.0 and ≥ 1.5	≤ 4H:1V	4,000	4,480
< 1.5 and ≥ 0.75	> 4H:1V and ≤ 3H:1V	5,500	6,160
< 0.75	> 3H:1V and ≤ 2H:1V	6,500	7,290

¹ Based on Soil Test Results. Refer to Profile's Soil Testing and Interpretation Guide for more information.

Elements of Healthy Soil

In nature, sustainable vegetation exists through the biological process of organic matter breaking down in soil and delivering the nutrients plants need to grow — it's called nutrient cycling. Unfortunately, many erosion control and revegetation projects fail due to soils deficient in organic matter and biological activity. Here's how it should work:



- Microbes such as bacteria in the soil decompose organic material, making it readily available for plants to take up as nutrients
 - Fungi feed on the carbon and carbohydrates plants release and in return they help deliver water and nutrients to plants
 - With adequate nutrients and moisture available for uptake, plants flourish
 - Healthy vegetation produces new organic material to sustain this nutrient cycle process
- ProGanics' biological elements provide the spark and its organic materials are the fuel to ignite the nutrient cycle process to restore depleted soils back to health.

While the proprietary formula of ProGanics is setting the stage for accelerated vegetation establishment and sustainable growth, the renowned Profile® levels of erosion protection are provided in the same hydraulic application. When applied at recommended rates based on slope gradients, ProGanics DUAL delivers Bonded Fiber Matrix (BFM) level performance.

Once ProGanics DUAL is down on the ground, you can be confident the job's been done right and you can move to the next one.

INGREDIENTS

Thermally Processed (within a pressurized vessel)

Bark and Wood Fibers	85%
Proprietary Blend of Soil Amendments and Tackifiers	10%
Crimped, Biodegradable Interlocking Fibers Derived from Regenerated Plant Sources	4%
Wetting Agents	1%

Beneficial Soil Bacteria Genus & Species:

Bacillus firmus250 cfu/gram*

Arbuscular Mycorrhizal Fungi Genus & Species:

Rhizophagus intraradices (Formerly Glomus sp.)0.066 propagules/gram*

*Guaranteed minimum analysis, actual genus, species and count quantities will be higher.

One 50-pound (22.7 kg) bag = 22,680 grams

Go to ProGanics-DUAL.com to learn more and calculate the tank loads you could be saving, or call us at **800-508-8681** or **+1-847-215-1144** for more information.



PROFILE Products LLC

750 W. Lake Cook Road • Suite 440 • Buffalo Grove, IL 60089

Profile, ProGanics and Solutions for your Environment are registered trademarks of PROFILE Products LLC. DUAL is a trademark of PROFILE Products LLC.

U.S. Patent #'s: 7,854,926; 8,728,460; 10,266,457; 10,889,758; 10,907,098 • Canada Patent #: 2,616,578





LOCATIONS & CONTACT INFO

ASP ENTERPRISES

aspent.com
salesasp@aspent.com

St. Louis, MO 636.343.4357
Omaha, NE 402.861.8579
Kansas City, MO 816.554.1191
Wichita, KS 316.393.1554

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

Denver, CO 303.696.8960
Loveland, CO 970.535.0863
Colorado Springs, CO 719.257.7840

QUICK SUPPLY CO.

quicksupplyco.com
salesquick@quicksupplyco.com

Des Moines, IA
515.289.1271

CASCADE GEOSYNTHETICS

cascadageos.com
salescascade@cascadageos.com

Portland, OR
971.339.1020

Salt Lake City, UT
435.276.0820

SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics
Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basis, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**