



Biotic Earth™ BFM, FRM, HGM

A subsidiary of ErosionControlBlanket

Bonded Fiber Matrix, Fiber Reinforced Matrix, & Hydraulic Growth Medium

Specification Sheet

The Verdyol **Biotic Earth™ BFM, FRM, & HGM** with soil stabilizers and binders shall be a super biotic-active hydraulically applied bonded fiber matrix, fiber reinforced matrix, and hydraulic growth medium that includes a high concentration of soil builders and affords extremely effective erosion control. The **Biotic Earth™ BFM, FRM, & HGM** is specifically designed to assist in vegetation establishment, on extreme slopes for immediate and long-term erosion control, and where vegetation establishment is expected to occur within 18 months or less.

Verdyol **Biotic Earth™ BFM, FRM, & HGM** shall be manufactured with **EarthBound® Pro** Soil Stabilizers and Tackifier premixed to ensure effective soil stabilization and adherence of the **Biotic Earth™ BFM, FRM, & HGM** to the soil surface under extremely erosive conditions. The **Biotic Earth™ BFM, FRM, & HGM** shall be manufactured from thermally and mechanically processed straw and flexible flax fibers with sphagnum peat moss and other proprietary plant growth materials and erosion control additives. The Verdyol **Biotic Earth™ BFM, FRM, & HGM** comes packaged in white bags.

EarthBound® Pro Soil Stabilizer & Tackifier shall be specifically engineered and formulated to provide the highest level of erosion control, mulch and soil stabilization for extreme slope gradients and extremely erosive conditions. **EarthBound® Pro** shall be formulated from both long chain and cross-linking molecules in conjunction with a hydrocolloid vegetable gum based tackifier.

The Verdyol **Biotic Earth™ BFM, FRM, & HGM** may be considered a Bonded Fiber Matrix (BFM) and a Fiber Reinforced Matrix (FRM) as defined by the Erosion Control Technology Council.

Material Composition

75% by volume of thermally and mechanically processed straw and flexible flax fibers (FFF)

20% by volume of professional long fiber grade sphagnum peat moss

1.26% by volume valuable trace minerals, sugars, starches, proteins, fiber and 16 amino acids including folic acid, vitamin A, and triacontanol growth stimulants/regulators.

<1% by weight mycorrhizae

3% by weight **EarthBound® Pro**

EarthBound® is a registered trademark of EarthChem, Inc.

Laboratory Analysis

Total Organic Matter Content = >95%

Carbon:Nitrogen Ratio = 39:1

pH = 6.3 (Saturated Media Extract Method)

These values are representative of Quality Control Analysis at time of manufacturing.

This data is for information purposes only and cannot be used as a warranty.

Packaging & Weights

Bags = 50 lbs (23 kg) +/- 10%

Bag size = 2.2 ft³ (0.062 m³)

42 bags per pallet

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