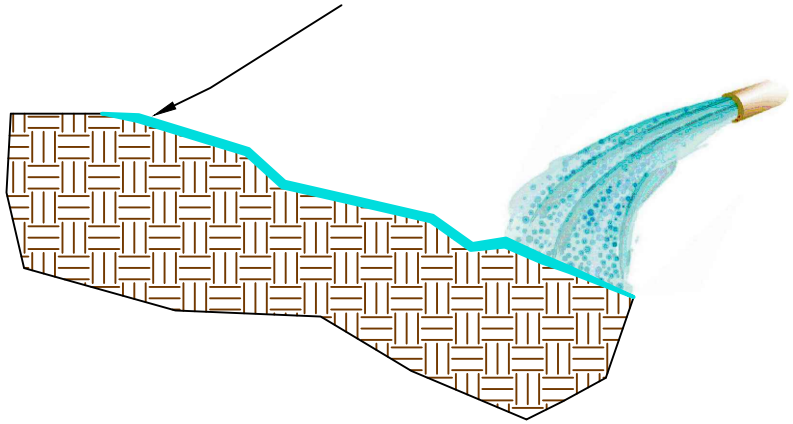
ECOAEGIS® BFM HYDRAULICALLY APPLIED EROSION CONTROL PRODUCT (HECP)



SPECIFICATION: 31 25 14.13 - Hydraulically-Applied Erosion Control: Bonded Fiber Matrix

This section specifies the Hydraulically-applied Erosion Control Product EcoAegis® Bonded Fiber Matrix (BFM). EcoAegis BFM is 100% recycled and composed of Thermally Refined™ virgin wood fibers and wetting agents (including high-viscosity colloidal polysaccharides and cross-linked biopolymers). The BFM is made in the US, plastic-free, and phytosanitized to eliminate potential weed seeds and pathogens. When cured, the product 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. The BFM may require a 4-8 hour curing period to achieve maximum performance.

1. Thermally Processed* (within a pressurized vessel) Wood Fibers - 90%
   *Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa)
2. Wetting Agents (including high-viscosity colloidal polysaccharides and cross-linked biopolymers) - 10%

APPLICATION RATES:
These application rates are for standard conditions. Designers may wish to increase application rates on rough surfaces. For additional details including mixing rations/loading rates for specific machine sizes and visual keys for proper application, please consult Profile® Application Guide for BFM.

Slope Gradient / Condition	Rate (lb/ac)	Rate (kg/ha)
≤ 4H to 1V	2,500	2,800
> 4H to 1V and ≤ 3H to 1V	3,000	3,400
> 3H to 1V and ≤ 2H to 1V	3,500	3,900
> 2H to 1V and ≤ 1H to 1V	4,000	4,500
> 1H to 1V	4,500	5,100
Below ECB or TRM	1,500	1,700

INSTALLATION:
Strictly comply with equipment manufacturer's installation instructions and recommendations. Use approved hydroseeding machines with fan-type nozzle (50-degree tip). To achieve optimum soil surface coverage, apply BFM from opposing directions to soil surface. Rough surfaces (rocky terrain, cat tracked and ripped soils) may require higher application rates to achieve 100% cover. Slope interruption devices or water diversion techniques are recommended when slope lengths (on a 3H:1V gradient) exceed 75 feet (23 m). Slope interruption intervals may need to be decreased based on steeper slopes or other site conditions. BFM is not recommended for channels or areas with concentrated water flow unless used in conjunction with a rolled erosion control product designed to accommodate the anticipated hydraulic conditions. Unless approved by the Manufacturer, no chemical additives with the exception of fertilizer, soil neutralizers and biostimulant materials should be added to this product. To ensure proper application rates, measure and stake area. For maximum performance, apply BFM in a two-step process as follows:

1. *Step One: Apply fertilizer with specified prescriptive agronomic formulations and 50% of seed with a small amount of BFM for visual metering.*
2. *Step Two: Mix balance of seed and apply BFM at a rate of 50 lb per 125 gallons (23 kg/475 liters) of water over freshly seeded surfaces. Confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.*

SEE COMPREHENSIVE CSI FORMATTED SPECIFICATION FOR FURTHER DETAILS

EcoAegis® Bonded Fiber Matrix

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

ECOAEGIS® BFM CAD Details Slope

FILE NAME: CAD Details Slope – EcoAegis BFM.dwg

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