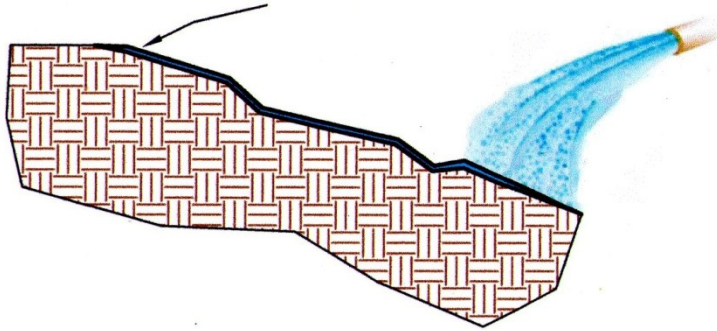


Soil Guard® BFM Hydraulically Applied Erosion Control System (HECP)



SPECIFICATION: BONDED FIBER MATRIX

This section specifies a hydraulically-applied, 100% biodegradable; Bonded Fiber Matrix (BFM) that is manufactured in the United States and is composed of 100% recycled thermally refined wood fibers and naturally derived cross-linked hydrocolloid tackifiers and activators. The BFM is phytosanitized, free from plastic netting, and upon curing forms an intimate bond with the soil surface to create a continuous, porous, absorbent erosion resistant blanket that allows for rapid germination and accelerated plant growth. All components of the BFM shall be pre-packaged by the Manufacturer to assure both material performance and compliance with the following values. No chemical additives with the exception of fertilizer, liming and bio stimulant materials should be added to this product.

- Thermally Processed Wood Fiber (moisture content 12% ± 3) –93%
- Proprietary Crosslinked Hydro-Colloid Tackifiers and Activators – 7% ± 1%

INSTALLATION



Strictly comply with equipment manufacturer’s installation instructions and recommendations. Use approved hydro-spraying 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 tracks and ripped soils) may require higher application rates to achieve 100% coverage. Slope interruption devices or water diversion techniques are recommended when slope lengths exceed 100 feet (30 m). Maximum slope length is for product applications on a 3H:1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased based on actual site conditions. Not recommended for channels or areas with concentrated water flow. No chemical additives with the exception of fertilizer, liming and biostimulant materials should be added to this product. To ensure proper application rates, measure and stake area. For maximum performance, apply BFM as follows:

1. Mix BFM at a rate 50 lbs. per 100 gallons (23 kg/378 liters) of water. Add seed, fertilizer, specified liming and bio stimulant materials. Agitate for 5-10 minutes. Apply BFM in at least two directions to achieve 100% ground cover. Confirm loading rates with equipment manufacturer. Do not spray if precipitation is imminent.

APPLICATION RATES: These application rates are for standard conditions. Designers may wish to increase application rates on rough surfaces. Consult application and loading charts to determine the number of bags to be added for desired area and application rate.

Slope Gradient	English	SI
4H:1V	2500 lb/acre	2800 kg/ha
4H:1V and 3H:1V	3000 lb/acre	3400 kg/ha
3H:1V and 2H:1V	3500 lb/acre	3900 kg/ha
2H:1V and 1H:1V	4000 lb/acre	4500 kg/ha
1H:1V	4500 lb/acre	3900 kg/ha

PLEASE NOTE THAT THE INFORMATION PRESENTED HERIN IS GENERAL INFORMATION ONLY. IT IS FOR CONCEPTUAL USE ONLY AND NOT INTENDED TO BE USED FOR CONSTRUCTION. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE ITS ACCURACY, THIS INFORMATION SHOULD NOT BE USED FOR A SPECIFIC APPLICATION WITHOUT INDEPENDENT PROFESSIONAL		FILE NAME: CAD Details Slope – Soil Guard® BFM drawing	
		CONTACT NUMBER: 888-477-3028	
		WEB SITE: www.matinc.biz	
	Soil Guard® BFM CAD Details Slope	DRAWN BY: RSG DATE: 05/2013	SCALE: NOT TO SCALE
	CHECKED BY: DATE:	SHEET 1 OF 1	