

ENVIROSTRAW BIOTIC BFM COMPLETE (BFM)



This new generation biotic-inoculated BFM hydraulic growth media hydromulch contains everything you need – just add seed and spray. It includes a carefully selected range of long-strand hydromulch fibers with binders that stick to the soil surface, and a purpose-designed suite of bacteria and fungi designed to rebuild any type of highly disturbed soils on mine and construction sites. The suite is also complemented by the addition of biostimulants, trace elements, minerals and other carbon-building inputs. It also includes a slow-release nitrogen source designed for hydraulic revegetation applications, which provides up to three-months supply of this essential element.

SPECIFICATIONS

The source fibre shall be produced from annually renewable straw fibre; all fibre materials should be free from plastic materials or other non-bio-degradable substances. Fibre will easily disperse into a uniform slurry when mixed with water. Fibre shall be of a natural straw colour and will not stain concrete or other surfaces. Fibre and other mulch ingredients shall be free from growth or germination inhibiting ingredients. Mulch Fibre shall be applied in a slurry solution by means of Hydro Mulching machinery.

MIXTURE RATES (AS A GUIDE ONLY)

80 kgs per 1000 liters of water for hose work; 100 kgs per 1000 liters of water for tower work.

Increased performance can be achieved by mixing in field a cross-linked hydrocolloid tackifier such as HydroGrip plus, use at manufacturer's recommended rates. It is imperative that the mulch is applied at the specified rate: too wet of a mixture will cause the fibres to be buried into soil. Mulch Fibre shall be applied as a slurry solution by means of hydroseeding at the specified rate per the specifications in a uniform manner. Care shall be exercised to ensure that the mulch application is uniform and even throughout the seeded area; mulch shall not be bunched or clumped up on the site. Care shall also be taken as to not create a shadowing effect on the site, mulch applications shall be started on the windward side of the project.

PHYSICAL CHARACTERISTICS

Toxicity Non-Toxic, Applied Colour natural straw, Surface Tension Material will evenly disperse and suspend when agitated in water, Absorbency When sprayed uniformly at the recommended rate, the mulch fibres form an absorbent mulch cover which will allow percolation of water and increased water infiltration to the underlying soil matrix. Solubility Mulch Fibres are non-water soluble. Packed in: 20 kg bales plus +/- 1 kg per bale, 52 bales per pallet.

PHYSICAL COMPOSITION & RECOMMENDED APPLICATION RATES

Heat treated & mechanically processed Straw/Legume fibre with thermally processed wood fibre and added cellulose fibre
< 5% AS4454-2012 soil conditioner.
15% Moisture (+/- 2%)
Carbon to nitrogen ratio < 50-1
Average Fibre Length 15 – 25 mm

Slope gradient	Application rate in kgs per hectare
< 4:1	2500kg
< 3:1	4000kg
< 2:1	5000kg