



## **HYDRO MULCH – Bonded Fiber Matrix**

### **SPECIFICATIONS:**

#### **SEEDING**

Erosion control slurry shall be applied to all areas indicated on the plans in accordance with these specifications.

#### **Bonded Fiber Matrix-(BFM)**

Shall be a Bonded Fiber Matrix Hydraulically applied erosion system, consisting of long strand, virgin wood fibers (90% by weight), bound together by a pre-blended, high-strength polysaccharide polymer adhesive (10% by weight). The virgin wood fibers shall be thermo-mechanically defibrated from clean whole wood chips, containing a minimum of 25% of the fibers averaging 10 mm long, with a minimum of 50% or more retained on a #24 mesh screen. The organic binders shall be a high viscosity.

The BONDED FIBER MATRIX shall be of such character that it will disperse uniformly into a slurry when mixed with water. The slurry, when hydraulically applied to the ground, shall form an absorptive mat of mulch uniformly impregnated with seed and other ingredients. No materials which inhibit growth or germination shall be present in the mixture. (Bonded Fiber Matrix shall be Conwed 2500 or equal.)

## **Conwed Fibers HydroMulch 2500 vs. Competitive BFM Products**

Our **Conwed Fibers 2500 BFM** will resist higher rates of surface flow energy without breaking down, it contains “a higher percentage of cross-linking agent”.

We built our **BFM** chemical formula with co-polymer gel; these small particles are contained throughout the applied matrix. The saturated particles swell to 15 times their original size. After the matrix dries, the swollen particles shrink, leaving a small cavity. This cavity can hold air and/or water, improving the absorption characteristics and the seed emergence properties of the cured matrix.

**Conwed Fibers 2500 BFM** is dyed a much darker green color for a more aesthetically pleasing appearance. We build the product with much longer wood fiber strands and to a higher viscosity. **Hydro Mulch 2500 BFM** will dry to a hard crust-like surface that will readily absorb water. The BFM must cure or dry to be effective at controlling erosion.

### **Advantages of the M-BFM over the BFM**

**Conwed Fibers 3000 MBFM** maintains a higher loft upon the soil surface, holding more water. **It controls erosion without having to cure**, and will degrade much more slowly, controlling erosion for a longer period of time. It can handle much higher rates of surface flow energy. This property allows the **Conwed Fibers 3000 MBFM** to be applied to steeper, longer slopes without fear of failure.

**Conwed Fibers 3000 MBFM** remains pliable, forming a strong bond but not an impenetrable crust upon the soil surface. You'll see faster germination and emergence with the M-BFM versus the BFM.