



# Wood-Lok™ HPM

## High Performance Matrix

### PRODUCT OVERVIEW:



Wood-Lok HPM consists of specially processed long strand virgin wood fibers along with a proprietary blend of high-strength, non-toxic, cross-linked organic binders.

This combination gives superior erosion protection without the addition of man-made, non-biodegradable synthetic fibers.

Wood-Lok HPM is applied like mulch and forms a blanket that adheres to the soil surface immediately upon application. After it cures the blanket helps retain soil moisture, is porous, erosion resistant and protects the soil surface from water and wind erosion.

The mulch blanket retains its integrity and protects the soil despite repeated rains for well beyond twelve months. The extra-long wood fibers form tent-like pockets, which aid in seed germination and plant growth. When applied over the

soil surface the wood fibers twist and interlock with each other and the soil as they dry. Along with the high-strength binder the holding power of the wood fibers to the soil is much stronger than BFM, thus providing superior erosion protection.

Wood-Lok HPM is packaged in easy to handle plastic bags and will load quickly into all mechanical paddle agitated hydraulic seeding equipment. When mixed with water Wood-Lok HPM will form a homogeneous slurry and can be used with seed and fertilizer. Wood-Lok HPM will remain in suspension during agitation and pumping and the slurry does not dewater during the application process. The green color allows for an even application of material over the soil surface.



### FEATURES & ADVANTAGES:

- Extra-long wood fibers make a stronger mat, thus increasing erosion protection
- Greater than 99% effectiveness in controlling soil loss
- No man-made synthetic fiber
- Wood fiber is 100% biodegradable
- Plant growth increase greater than 400% versus bare soil
- Mat blanket retains integrity after repeated rains
- Conforms to all surface contours
- Helps prevent soil rills
- Disperses quickly in water forming a homogeneous slurry
- High temperature steam fiberization sterilizes the wood fibers
- Made from specially selected clean pine and poplar wood chips
- Fiber stays in uniform suspension and blends easily with seed and fertilizer
- Provides favorable micro-climate for seed germination
- Has no germination or growth inhibiting factors
- Wood fibers decompose after plants have established
- Safe to use around humans, pets, fish and wildlife

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### RECOMMENDED APPLICATION AND LOADING RATES:

#### APPLICATION RATE

- 3,000 to 3,500 pounds per acre – 2H: 1V slopes
- 3,500 to 4,000 pounds per acre – slopes steeper than 2H: 1V depending on site conditions
- Apply the Wood-Lok HPM to make a uniform mat. Apply from two directions to avoid light coverage or shadowing on the backside of ridges and depressions. Application should be made sufficiently in advance of rainfall to allow a short drying time

#### TANK LOADING RATE

- Begin loading mulch when the water level is above the agitator paddles
- 50 pounds per 125 gallons of water
- Agitate Wood-Lok HPM for a minimum of 10 minutes

### SPECIFICATIONS:

- Wood-Lok HPM is manufactured to specific fiber sizes in a controlled environment to provide best job-site performance. Specially selected wood chips are softened by high temperature steam and the mechanical refining process produces extra-long soft fibers. The fibers have physical features that tend to interlock with each other, thus forming a more protective blanket.
- Refined wood fiber (total weight basis): 90%
- Proprietary cross-linked binder (total weight basis): 10%
- Moisture content (total weight basis) ASTM D-644: 12.0% ±3.0%
- Organic Matter (oven dry weight basis) ASTM D-586: 97.0%
- Ash content (oven dried basis) ASTM D-586: 3.0%
- pH @ 3% concentration in water SW846 9045: 4.8 ±0.5
- Water holding capacity (minimum) ASTM D7367: min 1,300 grams
- Color: Green
- Material Safety Data Class: Naturally occurring material
- Wood-Lok HPM is sealed in heavy-duty plastic bags with a UV inhibitor
- Each easy to open bag weighs 50 pounds (22.7 kg) net and measures 10" x 19" x 29"

Manufacturer of the finest hydroseeding products.

Applegate's most appreciated benefit:

**We listen, teach, serve and stand behind you 100%.**

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We've always been green. Sustainable & earth-friendly since 1980

