



Quality Erosion Control Products

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**CERTIFICATE OF COMPLIANCE and MANUFACTURING SPECIFICATIONS
SOIL GUARD® EROSION CONTROL SYSTEM**

Mat, Inc. certifies that Soil Guard® has the properties and characteristics outlined below.

Soil Guard® is a bonded fiber matrix (BFM) style hydromulch produced by Mat, Inc. It is made from 100% wood fiber with an added binder for increased erosion control. The wood fiber is thermally pasteurized to 350° F and mechanically defibrated. Soil Guard® is manufactured to contain a specified range of fiber lengths, with a minimum of 25% of the fibers averaging .4 inches long and with 50% or more retained on a Clark fiber Classifier 24-mesh screen (a dry screening classification of fiber length). Mat, Inc. packages Soil Guard® in durable plastic or paper bags measuring 9"x18"x36", weighing 50 pounds net each.

Soil Guard® disperses rapidly in water and remains in uniform suspension under agitation. It blends with seed, fertilizer and other approved and specified materials forming a homogeneous slurry. When applied with hydraulic planting equipment, the fibers form a continuous and strong, moisture holding mat.

The binder is formulated from three elements:

1. A polysaccharide guar, commonly used in the erosion control industry
2. A standard agricultural fertilizer
3. A slow release fertilizer

Soil Guard's® cross-linking binder does not contain heavy metals in it's chemistry as compared to some other BFM style mulches. A toxicity report is available on line at: www.soilguard.com

The binder provides added bonding among the fibers to hold soil, seed and fertilizer in place for rapid germination and growth. Upon drying, the binder becomes water insoluble and remains biodegradable, creating an effective erosion control blanket.

Uniform application of Soil Guard® is facilitated by coloring the fibers yellow, using a water soluble, non-toxic dye.

Wood Fiber:	> 88%
Guar gum tackifier:	< 9%
Trade Secret:	<1%
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Yellow dye:	<1%
Moisture content:	12% ± 3

Soil Guard® is fully biodegradable and non-toxic. The material enriches the soil as it degrades leaving no residue. It is safe for wildlife and the environment.

Soil Guard® has been evaluated at the Mat, Inc. Quality Control Center in Floodwood, Minnesota. Product properties are determined using test methods that are scientifically sound and reliable to the best of our knowledge. Other test methods may produce slightly different results.

Joseph P. Karpik
President

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