

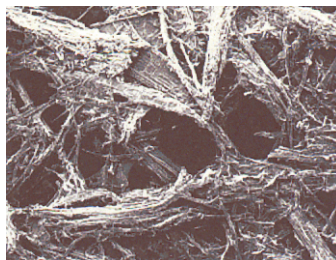


Mat, Inc.
 12402 Hwy 2
 Floodwood, MN 55736

888-477-3028
 Fax: 218-476-2039
 www.soilguard.com
 matinc@matinc.biz

Soil Guard is a one or two-step erosion control system that revolutionized the practice of soil conservation. It's the result of Weyerhaeuser's R&D who developed this environmentally beneficial product. It is also highly cost-effective and has been a market leader since 1993.

Unique among erosion control systems, Soil Guard delivers the performance of a blanket combined with dramatic cost savings of time and labor. The result is a cost-benefit ratio



Shown here at 40X magnification, Soil Guard fibers bond to form a matrix that holds soil and seed in place.

that makes it the best choice for a very wide range of erosion control needs.

Hydraulically applied, Soil Guard conforms to the contours of the ground and dries to form a bonded fiber matrix. Once dry, the matrix can be rewet repeatedly and will hold soil and seed without washing away. As vegetation takes hold, Soil Guard slowly decomposes to enrich the soil.

A Measurably Better Erosion Control System

One or Two-Step Application for 100% Coverage

- Conforms to the soil surface
- No special site preparation
- Avoids tenting and under-rilling problems
- Excellent germination results
- Adheres to almost any soil surface

Enhanced Germination

- Holds seeds and fertilizer firmly in place
- Allows moisture, sunlight and plants to penetrate
- Won't rob the soil of nitrogen

Substantial Savings with every Installation

- Requires less labor and substantially less time to install
- Soil Guard application is significantly less than conventional methods
- Can be applied to sites where blanket-like protection is unaffordable

Reduced Soil Erosion and Water Runoff

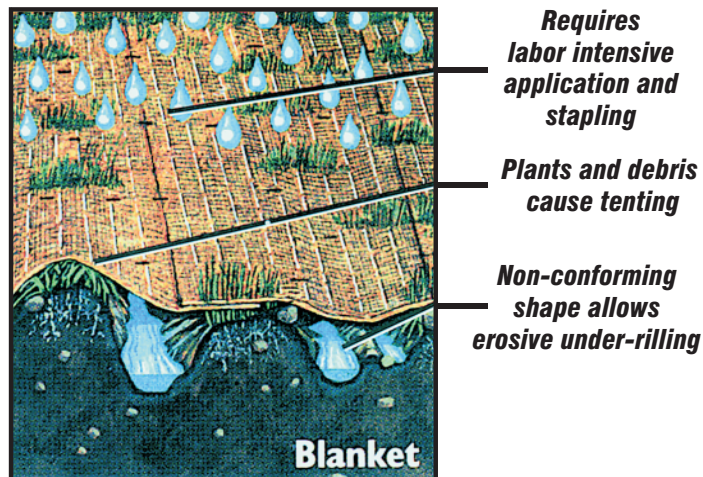
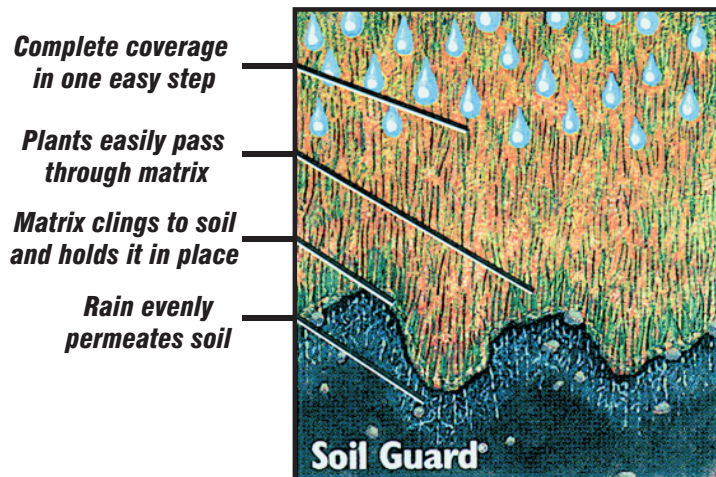
- Dries into a flexible mat
- Minimizes the impact of even heavy rain
- Slowly releases moisture to the soil below
- Remains cohesive and bonded to the soil

Fully Biodegradable

- Non-toxic and fully biodegradable
- Made from a blend of wood fibers, a natural binding agent, and a mixture of organic and mineral activators
- No plastic netting, so it's safer for wildlife
- No harmful residues

More Convenient Handling

- Self-contained system is easy to apply and maintenance free
- Packaged in durable paper or plastic bags



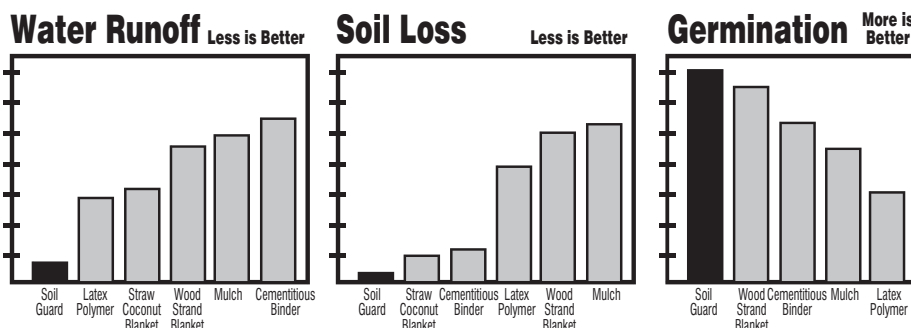


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Lab Test Confirm Soil Guard's All Around Performance

Soil Guard was put to the test under controlled conditions at the nation's top erosion control laboratory. To judge Soil Guard's performance, the university-based lab ran the same series of tests used to evaluate other types of erosion control materials. In short, they subjected Soil Guard to enough simulated rainfall to cause failure in any other material. Yet remarkably, after the standard test length, Soil Guard showed no signs of failure. The test length had to be doubled before Soil Guard showed any measurable soil loss. The results were dramatic by any measure.



Leading Erosion Control Test Facility (minimum performance)

Specification Item	Class	Type	Site Conditions	Sediment Loss		Min. Vegetation Density	
				Max. Loss	Soil Guard	Minimum	Soil Guard
169 "Soil Retention Blanket"	1 "Slope Protection"	A	Slopes 1:3 or Flatter - Clay Soil	0.34	.27	80%	84%
		B	Slopes 1:3 or Flatter - Sand Soil	12.20	8.04	70%	87%
		C	Slopes Steeper Than 1:3 - Clay Soil	0.34	.27	80%	84%
		D	Slopes Steeper Than 1:3 - Sand Soil	26.84	8.04	70%	87%

Soil Guard clearly exceeds minimum standards set by a leading erosion control test facility in both soil types with slopes mentioned above.

Product Specifications

SPECIES	ASPEN/BIRCH
MOISTURE CONTENT	12% +/- 3%
ORGANIC MATTER	> 88%
INORGANIC MATTER (ASH)	< 3%
pH 3% SLURRY IN WATER	4.9
ODOR & TASTE	NONE
COLOR	YELLOW
PACKAGE BULK DENSITY	14.5LB/SQ.FT.
WATER HOLDING CAPACITY (DRY BASIS)	1.2 GAL./LB.
GUAR & ACTIVATORS	< 9%
BAG DIMENSIONS	35 X 18 X 8.5 IN.
PACKAGED IN 50LB. 22.6kg Available in palletized 18-bag units	Plastic or Paper

Intended Use

Soil Guard has been designed to control superficial erosion caused by wind or falling rain on the treated area. Soil Guard controls erosion until permanent stabilizing vegetation can be established in disturbed areas commonly associated with state, county, or city D.O.T., Corps of Engineers/flood control, landfills, water retention ponds, landscaping, retaining wall structures, pipe and cable trenching, ski areas, golf courses, home lawns, and wetlands.

Non-Intended Uses

1. The prevention of landslides on soils that display deep seated instabilities or that are subject to surface peeling or frost heave.
2. Extended or permanent erosion control in non-vegetative applications.
3. As a channel liner or in areas where poor site design concentrates overland water flow.