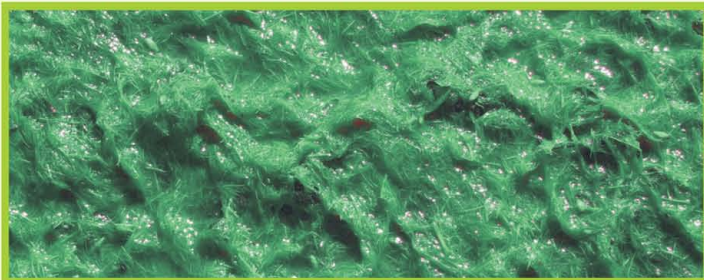




Fiber Reinforced Matrix  
For Hydraulic Applications

Flex Guard® is a Fiber Reinforced Matrix\* (FRM) hydromulch engineered with pasteurized wood fibers, dispersible synthetic fibers and exclusive soil-bonding agents for immediate and effective erosion protection on challenging terrain even during hard rains. The nontoxic formula maintains fiber loft for impact resistance, air circulation and moisture retention that promotes seed germination and plant growth. Flex Guard® maximizes the time savings and cost efficiencies of hydraulic application, and delivers dependable results from the start.



Reliable Features Reduce Overall Costs

NO CURE TIME REQUIRED

PHASE II COMPLIANT FLEX GUARD® ADHERES TO SOIL IMMEDIATELY, CREATING AN INSTANT STABILITY BARRIER FROM POUNDING RAIN.

SUPERB APPLICATION VERSATILITY

FLEX GUARD® CONFORMS AND SECURELY BONDS TO VIRTUALLY ALL SLOPES AND SOIL TYPES, EVEN WHERE MOST EROSION CONTROL PRODUCTS CAN BE DIFFICULT OR IMPOSSIBLE TO INSTALL.

LOFT INTEGRITY FOR OPTIMAL  
GERMINATION

LONG WOOD FIBERS INTERLOCK WITH SYNTHETIC CONNECTORS AND PROPRIETARY BINDING AGENTS TO FORM LOFTED MOISTURE CHAMBERS FOR INCREASED SEED GERMINATION.

NONTOXIC BIODEGRADABLE

FLEX GUARDS® NON-STAINING AND NONTOXIC GREEN MAT PREVENTS SOIL EROSION WITHOUT THE HAZARDS OF STAPLES OR NETTING. COMPLETELY BIODEGRADABLE, IT ENRICHES THE SOIL OVER TIME.

**Flex Guard® Prevents Soil Loss Immediately**

Flex Guard® instantly prevents soil loss and promotes plant growth on challenging sites. Its proven formula reduces sediment loss better than most erosion control products. The remarkable wet strength absorbs raindrop impact from the start, and Flex Guard® increases its performance power as its cures.

Flex Guard® prevents nearly 100 times less soil loss per acre than untreated bare soil. And when you need the ultimate protection, you can combine Flex Guard® with mechanical options. Flex Guard® helps you leverage the speed and cost-efficiency of hydraulic application for dependable results.

**Fast Effective Performance**

Research shows that Flex Guard® performs regardless of the application conditions. Wet, bare soil or thunderstorms in the forecast won't slow your schedule. You save time by skipping over the tedious soil preparation steps other methods require.

Flex Guard® delivers immediate stabilizing results even without cure time and performs as well as the alternatives. Tests independently conducted at the Soil Erosion Research Laboratory at San Diego State University (1) revealed that Flex Guard® reduced both: total sediment export by 99% and peak sediment concentrations by 96%.

**Structured To Promote Germination**

As a Fiber Reinforced Matrix, Flex Guard® chemically bonds with soil and forms a strongly lofted but porous fiber mat made of countless growth chambers. Grass and other select seeds access air and moisture from inside the chambers. The high-tensile chamber structures resist impact damage, guarding the emerging plants. Vegetation easily penetrates the growth matrix to quickly enhance the project's visual appeal. And that makes you look good, too.

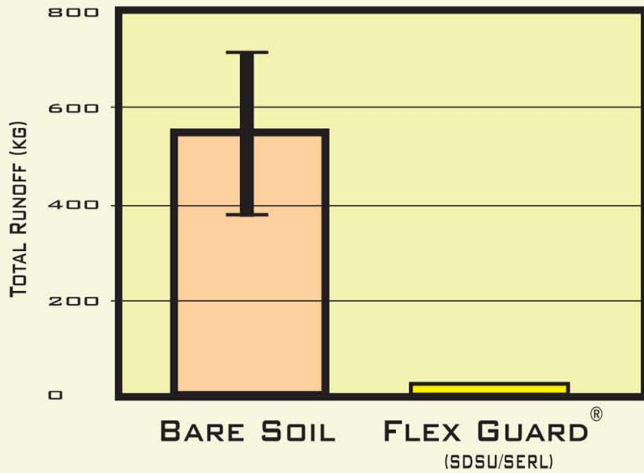
**Fully Nontoxic and Biodegradable**

Flex Guard® is completely biodegradable and non-toxic. The specially formulated material won't harm the environment or wildlife; it actually enriches the soil as it degrades, leaving no residue. Flex Guard® is a responsible and cost-effective choice for residential, commercial, wildlife, wetland or other environmentally sensitive applications.



Flex Guard® is green but can be ordered in the color yellow by special request.

# Sediment Run Off

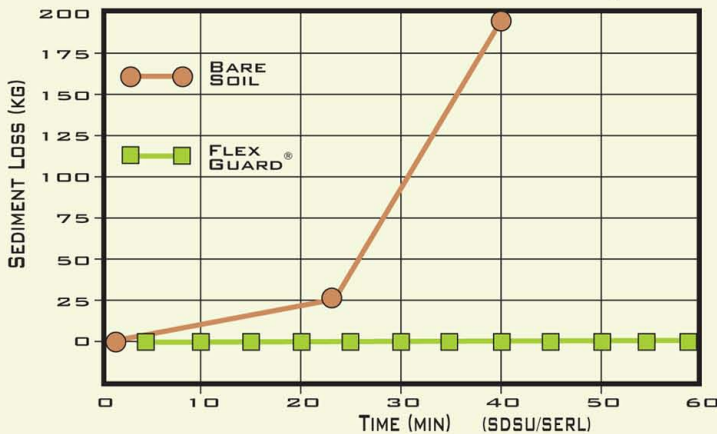


Mean total runoff volume and from the bare soil and Flex Guard® experiments with simulation variability shown as error bars.



Flex Guard® conforms to the contours of bare soil immediately on contact for erosion controlling protection.

# Cumulative Sediment Export



## Choose Flex Guard® Fiber Reinforced Matrix when:

- 💧 Steep or rugged terrain make soil preparation difficult or impossible.
- 💧 Weather or schedules demand immediate erosion protection and fast plant growth.
- 💧 Severe slopes or surface flows require erosion protection for extended periods.
- 💧 Nearby wildlife habitat or residential areas need nontoxic solutions. (When used as directed)
- 💧 Cost-effectiveness, timeliness, results and quality are important.

With its accurate chemistry, trust Flex Guard® to produce Easy, Consistent and Reliable results



## Tech Specs

PRODUCT PROPERTIES HAVE BEEN DETERMINED USING SCIENTIFICALLY SOUND AND RELIABLE TEST METHODS. OTHER TEST METHODS MAY PRODUCE SLIGHTLY DIFFERENT RESULTS.

### INGREDIENTS:

WOOD FIBER CONTENT.....	>82±1%
GUAR GUM TACKIFIER CONTENT BY WEIGHT.....	<9±1%
SYNTHETIC FIBER CONTENT.....	5±1%
BASIC GREEN DYE.....	<1%
TRADE SECRET.....	<1%
TRADE SECRET.....	<1%
TRADE SECRET.....	<1%

### COMPOSITION:

ORGANIC MATTER (MIN.).....	94%
INORGANIC MATTER (ASH) (MAX.).....	6%
MOISTURE CONTENT (TOTAL WEIGHT BASE).....	12%±3%
PH AT 3% CONSISTENCY IN WATER SLURRY (AVG.).....	4.8
WATER-HOLDING CAPACITY (MIN.).....	1.2GAL./LB.

### COVERAGE:

3000-4000 LBS. /ACRE TO ACHIEVE 100% COVERAGE.

"C" FACTOR	6" RAINFALL
FLEX GUARD®	0.005
BARE SOIL	231
PERCENT % OF EFFECTIVENESS	99.5

(1) Results confirmed by the San Diego State University Soil Erosion Research Laboratory (SDSU/SERL). Testing conducted August 2006. ASTM 6459-99

### PERFORMANCE

DRYING TIME.....NO CURE TIME REQUIRED  
LONGEVITY.....UP TO 12 MOS.  
DEPENDING ON SIGHT CONDITIONS. INCREASED CURE TIME ENHANCES PERFORMANCE

### PACKAGING AND SHIPPING

NET WT. 50 LBS. 22.6 KG. NET DRY WT. 44-45 LBS.

PACKAGED IN 50 LB. (22.6 KG.) PLASTIC OR MULTIWALLED PAPER BAGS.

AVAILABLE IN PALLETIZED 36 BAG UNITS OR 18 BAG UNITS

PRODUCT CERTIFICATION AND MSDS AVAILABLE UPON REQUEST.

Contact Mat, Inc. At 1-888-477-3028 or visit our website at [www.matinc.biz](http://www.matinc.biz) today to learn more about how Flex Guard® can help you hold your ground.



\* Flex Guard® is a Fiber Reinforced Matrix (FRM) as defined by the Erosion Control Technology Council (ECTC).