



Quality Erosion Control Products

Erosion Control Products Information Guide

Mat, Inc. is the manufacturer of quality erosion control products for the hydraulic seeding industry. Our family of products are designed to satisfy requirements from the most difficult mountain slope to an easy home lawn. Use this product guide and the performance curve on the back to select the product that is right for your project.



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.



Soil Guard® Bonded Fiber Matrix* (BFM) represents a breakthrough in erosion control technology. It is a one or two-step erosion control system that revolutionized the practice of soil conservation. It is highly cost-effective erosion control system that has been a market leader since 1993. It is the only BFM on the market requiring it be applied by Certified Applicators and comes with a company backed warrantee.

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 hydrated repeatedly and will hold soil and seed without washing away. As vegetation takes hold, Soil Guard® slowly decomposes to enrich the soil.



Spray Guard® Stabilized Mulch Matrix* (SMM) is a new product made to stabilize soils on all types of construction and building sites. The wood fibers and exclusive soil bonding agent immediately creates a stable soil surface. And, unlike some stabilizer products that need on-site blending, Spray Guard® SMM comes pre-blended and ready for quick and easy hydraulic application... Saving you time *and* money.

Count on our family of products when consistent quality and reliability are demanded.

Contact Mat, Inc. At 1-888-477-3028 or visit our website at www.matinc.biz today to learn more about how we can help you hold your ground.

Erosion Control Products Performance Chart

This Product Performance Chart is based on field applications of Mat products by dedicated and performance minded applicators. This Performance Chart is meant as a guide only, location conditions will require attention to "Best Management Practices" for a specification. On slope lengths greater than twenty feet slope interruption devices may be required.

Product Category	6:1			4:1			3:1			2.5:1			2:1			1:1		
	Slope Length			Slope Length			Slope Length			Slope Length			Slope Length			Slope Length		
	0-30'	30-60'	60-120'	0-30'	30-60'	60-120'	0-30'	30-60'	60-120'	0-30'	30-60'	60-120'	0-30'	30-60'	60-120'	0-30'	30-60'	60-120'
Flex Guard®	3000#/Acre															4000#/Acre		
Soil Guard®	3000#/Acre															4000#/Acre		
Spray Guard®	3000#/Acre												3500#/Acre					

Area Coverage Per Load For Mat Inc. Erosion Control Products

Tank Capacity (in Gallons)	# of Bags (50 lbs.bags)	Volume (Gals)	Coverage Area (Sq.Ft.)	Coverage Area (acres)
300	3	324	2175	.017
500	5	540	3,610	.083
800	8	864	5,800	.133
1000	10	1080	7,250	.166
1200	12	1296	8,700	.200
2500	25	2700	18,150	.417
3000	30	3240	21,750	.500

Based on rates-per-acre of 3000 lbs. "Guard" products can be mixed at 50 lbs. per 100 gals. water.

To Determine Application Rate

Example:

Metric Example:

Based on rates in pounds-per-acre. (lbs./acre)

A. Multiply **total sq. ft.** to be covered,
by desired **mulch rate** in lbs./acre.

B. Divide the answer to **A** by **43,560**. (sq.ft. in 1 acre)

C. Divide **B** by the number of lbs./ bag = # no. of bags.

$$15,000 \text{ sq. ft.} \times 2,000 \text{ lbs./acre} = 30,000,000$$

$$30,000,000 \div 43,560 = 688 \text{ lbs. mulch}$$

$$688 \div 50 \text{ lbs./bag} = 13.77 \text{ bags}$$

$$2000 \text{ sq. meters} \times 2,000 \text{ kgs./hectare} = 3,400,000$$

$$3,400,000 \div 10,000 = 340 \text{ kgs. mulch}$$

$$340 \text{ kgs.} \div 22.6 \text{ kgs./bag} = 15.04 \text{ bags}$$



* As defined by the Erosion Control Technology Council (ECTC).