



A High-Performance Spray-On Blanket

GeoMatrix Slope Stabilization System is the one-and-only highly executable hydraulic erosion blanket that provides both an economical and powerful new innovative approach to customized soil stabilization.

TECHNICAL DATA

Properties*	Test Method	Units	Value
Water Holding Capacity	ASTM D7367	%	1200
Moisture Content	Scale	%	+/- 10
Material Color	Observed	n/a	Green
Cover Factor	Large Scale	n/a	.50 maximum
Percent Effectiveness	Large Scale	%	.50 minimum
Functional Longevity	ASTM D5338	n/a	Up to 12 months
Ecotoxicity	EPA 2021.0	%	96-hr LC50 > 100%
Biodegradability	ASTM D5338	%	100
Thermally Processed Wood Fiber			70-90%
Blended Hydro-Colloidal Based Tackifier			10-20%

RECOMMENDED APPLICATIONS

- Mild or steep slope stabilization
- Long-term or short-term stabilization
- Environmentally sensitive areas
- Enhancement of vegetation establishment
- Stopping soil migration from applied surfaces
- For uneven slope surfaces

RECOMMENDED USAGE & RATES

Stages	Slopes	Lbs. of GeoMatrix Fiber Per Acre	Binding Agents*
Stage 1	4:1 or less	2,000 - 3,000	~240 lbs.
Stage 2	4:1 to 3:1	3,000 - 3,500	~290 lbs.
Stage 3	3:1 or greater	3,500 - 4,200	~320 lbs.

* To determine an appropriate rate, speak with a GeoEnvironmental representative

GeoMatrix

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GeoMatrix Slope Stabilized Systems contains a tackifier that has a base of Polysaccharide gum in combination with a proprietary additives and crosslinkers. It contains components that retards the tackifier from re-dissolving in rainwater, at least until vegetation is established.

The binding agents react with the guar by the formation of new covalent carbon hydrogen bonds. By adjusting the Polysaccharides to crosslinker additives, it will make the GeoMatrix HPSB an extremely strong and resistant erosion control mat that can sustains a tensile strength of over 160 PSI.

Tensile Strength Effect of Proprietary Crosslinkers Blended with GeoMatrix Fibers

