



Permanent Erosion Control

Learn How Flexamat® Is The Best Permanent Erosion Solution!

Flexamat® is a permanent erosion control mat utilized for stabilizing slopes, channels, low water crossings, inlet/outlet protection, and shorelines. It consists of concrete blocks (6.5" x 6.5" with a 2.25" profile) locked together and embedded into a high strength geogrid. There is 1.5" spacing between the blocks that gives the mat flexibility and allows for optional vegetation growth. The mat is packaged in rolls, making transporting and installing **Flexamat®** efficient.

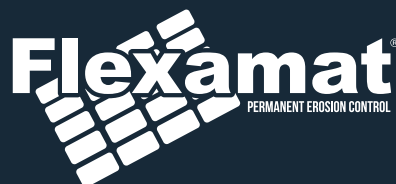
General Composition of Materials	
Blocks	5000 PSI, Wet-cast Portland Cement
Interlocking Biaxial Geogrid	Fornit 30/30 – Polypropylene Geogrid with 2,055 lb/ft biaxial strength
Underlayment Options	Standard - Curlex® II ECB Plus - Recvclex® TRM-V & Culrex® II ECB Fabric - 10 oz NW fabric *More options available upon request

Manufacturing Values	
Flexamat Properties	Values
Roll Width	4', 5.5', 8', 10', 12' 16'
Roll Length	30', 40', 50' / custom
Material Weight	10 lbs./sf
Block Size	6.5" x 6.5" x 2.25"
Percentage Open Area (POA)	30% min.

Performance				
Test	Tested Value	Bed Slope	Soil Classification	Limiting Value
ASTM 6460	Shear Stress	30%	Sandy Loam (USDA)	24+ PSF
ASTM 6460	Velocity	30%	Sandy Loam (USDA)	19+ ft./sec



Up to 4800 square feet of material can ship on one truckload.



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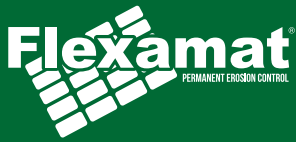


Airport Erosion Protection

Stabilization Within Obstacle Free Areas



Meets FAA 139 Height Restrictions
Mitigates Wildlife Hazards
Simple, Fast Installation
Immediate High Performance



BENEFITS OF Flexamat®

Permanent Erosion Control

- Meets FAA 139 height restrictions within the OFA
- Efficient installation next to active runways
- Easy maintenance - safe to mow across
- Mitigates wildlife hazards associated with rip rap
- High performance the moment its installed
Un-vegetated capabilities, 19ft./sec. & 24 PSF
- Locked in place, cannot be thrown as a projectile
- Reduce runoff – storm water infiltrates
through **Flexamat®**
- Offers phytoremediation
- Helps achieve MS4 permit requirements
- Reduces thermal impact to storm water runoff



Airport Erosion Protection

Stabilization Within Obstacle Free Areas



Airports encounter unique erosion issues. The large impervious surfaces formed by runways, taxiways and terminals creates considerable stormwater runoff. Traditional erosion control solutions are often impossible due to forces such as jet engine intake and jet blast. It is also critical for safety to maintain the obstacle free areas while controlling soil erosion.

Flexamat® meets FAA 139 height restrictions for use within the right-of-way as a heavy, interlocked mat that will stay in place. **Flexamat®** is easily maintained and mitigates wildlife hazards associated with rip rap.

Flexamat® is efficiently installed, enabling airports to maintain normal operations during the installation process.

