



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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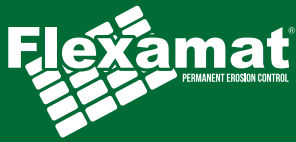


Departments of Transportation Roadways Protection

Federal | State | Municipal



Immediate High Performance
Permanent Vegetated Solution
Easy Maintenance
Simple, Fast Installation
Safe for Pedestrians and Wildlife



Departments of Transportation Roadways Protection

FEDERAL | STATE | MUNICIPAL

BENEFITS OF Flexamat®

Permanent Erosion Control

- High performance the moment its installed Un-vegetated capabilities, 19ft./sec. & 24 PSF
- Permanent vegetated solution
- Safety – safe for motorist to drive across
- Walkability – safe for pedestrians and wildlife to walk across
- Easy maintenance – safe to mow over
- Fast installation – shorter lane closure time
- Compact rolls – smaller staging area during construction
- Discourages graffiti – vegetated solution rather than poured in place concrete
- Simple installation – personnel can install with their own equipment
- Reduce runoff – storm water infiltrates through **Flexamat®**
- Decrease trucks on road – one truckload of **Flexamat®** covers 4800 square feet of surface area.
- Installation time savings – not over excavating compared to rock
- Aesthetically conforms to landscape
- Offers phytoremediation
- Helps achieve MS4 permit requirements
- Reduces thermal impact to storm water runoff



FDOT District One, Desoto County FL - Slope Stabilization

Roadside erosion takes place in many different ways and **Flexamat®** offers a permanent solution. **Flexamat®** is utilized on both new highway construction as well as by maintenance departments for repairs. **Flexamat®** rolls are easily installed by highway and county personnel, using equipment they already have.

Using **Flexamat®** for erosion control along roadways improves safety. Safe shoulders are protected from becoming steep drop-offs dangerous to motorist, cyclist, and pedestrians. Unlike rock rip rap, **Flexamat®** may be safely driven across. Rocks cannot be thrown into traffic. Litter often collects in rip rap, and picking it up can be treacherous for highway personnel. **Flexamat®** can be safely walked across, both by pedestrians and wildlife.



ODOT at I-75 & I-275 - Cincinnati, OH - Just installed.



ODOT at I-75 & I-275 - Cincinnati, OH - 6 months after installation.



SDDOT - Piedmont, SD - 8' x 1800' installed in one day.



SDDOT - Piedmont, SD - 1 year after installation.