

# Flexamat Concrete Mat System

Flexamat® is a tied concrete block system used to stop soil erosion. It consists of concrete blocks embedded into a high-strength geogrid with 1.5" spacing, giving the mat flexibility and allowing for vegetation growth. Flexamat® is offered in rolls with custom lengths and is available in widths of 4', 5.5', 8', 10', 12', and 16'. The rolls are easy and efficient to install, resulting in considerable cost savings.



## Landfills

Flexamat® is an ideal solution to a common landfill drainage problem - erosion. It is crucial that erosion doesn't compromise the landfill's cap. Once a landfill is closed, the site must still be maintained. Flexamat® may be mowed over, as well as driven on by vehicles where access roads cross the down chute. Flexamat® can also be manufactured at the landfill site to reduce freight. Many times, this results in the most cost-effective choice, being less expensive than rock rip-rap, gabions, poured concrete, or other permanent erosion control options.

## Lakes and Ponds

Initially developed to stop shoreline erosion, Flexamat® has many benefits in utilizing the system for this application. Flexamat® makes the shoreline much easier to maintain, giving commercial mowers the necessary access to mow up to the water's edge. Native vegetation can be allowed to grow and reclaim the shoreline, while the Flexamat® system provides the necessary protection against erosion.

Flexamat® enhances safety by eliminating steep eroded banks that are hazardous to maintain or even walk on along the shoreline. Many municipalities have regulations in place to ensure minimum slope requirements to prevent these conditions.

Eroded sediment from shorelines is a major source of pollution that has many negative impacts on natural ecosystems. Flexamat® is environmentally friendly and is the ideal solution, since it reinforces the natural vegetation and locks the shoreline securely in place.



## Inlets and Outlets

Flexamat® is the best solution for inlet and outlet protection at stormwater pipes. It replaces rock rip-rap that can be dislodged or thrown, providing a safe and stable surface for access. Damage due to maintenance with the use of commercial mowers and weed trimmers can be avoided. Flexamat® will also allow for ATV and walking trail protection.



## Canals and Waterways

Flexamat® is the solution for protecting canals and waterways from erosion which are essential for stormwater management, especially in hurricane prone areas. Flexamat® provides a permanent solution to armor these canals and protect them from erosion. Vegetation grows through the system, providing an environmentally-friendly solution.

Flexamat® is fast and easy to install with its roll design, which is manufactured to site specific lengths. A small crew can install thousands of feet in a single day.

## Roadways and Ditches

Flexamat® is the perfect solution for protecting roadways from water erosion that can damage the road when left unrepaired. These steep eroded ditches next to the roadway are dangerous to motorists, cyclists, and pedestrians and are difficult to maintain.

The ability to mow directly overtop of the Flexamat® system makes maintenance quick and easy. Traditional rock rip-rap is a mowing hazard, where rocks can become projectiles if mowed over. Concrete gutters, over time, will eventually crack and fail. Flexamat® is the best permanent solution.



## Boat & Canoe Ramps

The Flexamat® system consists of 5,000 psi concrete blocks embedded into a high-strength geogrid. The spacing between each block allows for vegetation growth to stabilize and strengthen the system.

Flexamat® is available in roll sizes up to 16' X 50'. For easier handling and installation, smaller rolls can be abutted together. Flexamat® allows for quick accessibility of dredging equipment, fishing boats, and canoes.

## EASY TO INSTALL



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