

MACMAT® R

COMBINED FOR HIGH PERFORMANCE

MacMat® R is the industry's most robust High Performance Turf Reinforcement Mat (HPTRM) made from a three-dimensional matrix of UV stabilized, non-degradable synthetic fibers, heat bonded at the junction, and extruded on Maccaferri's time-tested high tensile strength hexagonal Double-Twisted wire mesh.

Advantages of **MacMat® R**:

- M** Provides immediate erosion protection for steep slopes, channels, streambanks, and shorelines
- M** Protection from hydraulic and non-hydraulic forces
- M** Provides reinforcement and anchoring for vegetation
- M** Protects from burrowing animals



MacMat® R with its reinforcing steel wire mesh facilitates its use in structural applications



Close up of MacMat® R's re-vegetative surface



MacMat® R slope reventment

MACMAT® R BETTER TOGETHER

MacMat® R consists of a three-dimensional matrix of UV stabilized, non-degradable synthetic fibers extruded on a hexagonal Double-Twisted wire mesh. The steel wire used is coated with our new GalMac® corrosion resistant coating and polymer for greater protection.

The tensile strength of MacMat® R with its reinforcing steel wire mesh facilitates its use in structural applications such as soil-nailing / ground anchors to reinforce structurally unstable slopes. The reinforcing steel mesh exceeds the mechanical characteristics outlined in ASTM A975.

MacMat® R, three-dimensional, permanent turf reinforcement mats increase the soil's resistance to erosion. It provides immediate protection to exposed topsoil areas from the direct effects of wind, rainfall impact or water flow regardless of the amount of vegetation established.

MacMat® R provides durability, protection from hydraulic & non-hydraulic forces, and a re-vegetative surface for your stormwater solutions needs. The product can be used on slopes, along the banks of canals and rivers, or to support drainage.



MacMat® R

MacMat® R Case Study

Knight Township Levee Wave Wash, Evansville, Vanderburgh County, Indiana

The spring of 2011 was the wettest in 117 years on record for the Ohio River watershed. This rare flooding event damaged the Evansville, Indiana Levee System leading to 3000 feet of wave erosion to the levee embankment. Maccaferri worked with the U.S. Army Corps of Engineers to develop a vegetative solution utilizing MacMat® R that would replace the original riprap design.



Knight Township Levee following a historic flooding event



After five years, MacMat® R has provided protection through several rain events

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