

MacMat® the solution that allows you to quickly recover the natural environment

MacMat® Geomats are three-dimensional matrix geosynthetics; composed of polymeric fibres to protect surfaces susceptible to erosion. At the same time, they reinforce the already developed vegetation. For steep natural slopes the use of **MacMat®** Geomat, reinforced with either a double-twist hexagonal mesh or synthetic geogrid as indicated.

Main functions of **MacMat®**:

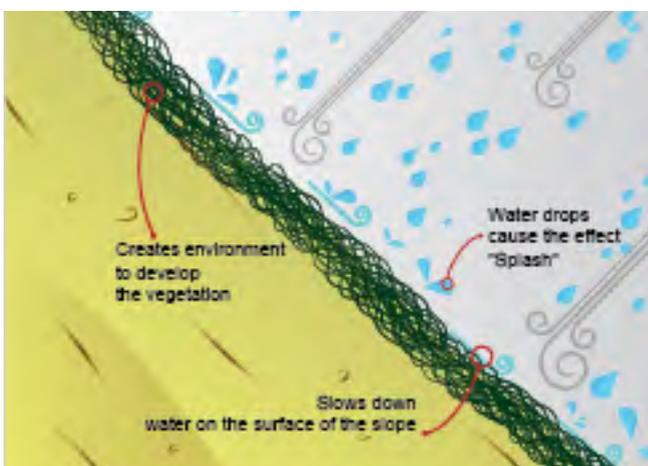
- M** Protect the surface against erosion caused by rain and wind, as well as damage caused by the "splash" effect (mechanical action of the impact of raindrops on the ground);
- M** Reduce the speed of over the surface of the terrain, increasing its roughness;
- M** Avoid the carriage of soil particles from the protected surface
- M** Prevent the formation of ravines on the slopes;
- M** Allow vegetation to pass between your filaments;
- M** "Acting" as reinforcement for the roots of vegetation;
- M** Creating an environment conducive to growth of vegetation, decreasing solar radiation .



MacMat® R3



Slope coating with MacMat® R3



MacMat® protects the soil from erosive processes arising from the action of wind and rain.



After the development of vegetation, MacMat® strengthens the roots and ensures the longevity of protection created.

PRODUCT FAMILY MACMAT®

Specially developed for erosion control on slopes and waterways. The MacMat® family has different geoblankets for each type of application, see:

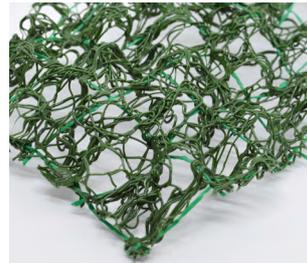
- M MacMat® 10.1** - Coating of channels or drainage channels (green) of rainwater;
- M MacMat® R1** - Face coating for stapled soil;
- M MacMat® R3** - Coating of slopes on walls or of variable slopes;
- M MacMat® HS** - Coating of slopes with variable slopes in soil or rock, which require high tensile strength of the reinforced geoblanket.



MacMat® 10.1



MacMat® R1



MacMat® R3



MacMat® HS

MACMAT® APPLICATIONS:



Photo 1 - Slope cladding above a retaining wall in gabions with MacMat® R3



Photo 2 - Stormwater drainage channel coating with MacMat® 10.1



Photo 3 - Coating the face of a stapled soil with MacMat® HS



Photo 4 - Coating of the face of a soil stapled with MacMat® HS or MacMat® R1



Photo 5 - Coating of the face of containments in soil reinforced with MacMat® 10.1



Photo 6 - Coating of the face of an erosion recovery with rip-rap with MacMat® 10.1

MacMat® geomats can be produced in green, brown* and black*. Consult our engineers to help define the best MacMat® geomat for each type of application.

* Colours on request

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