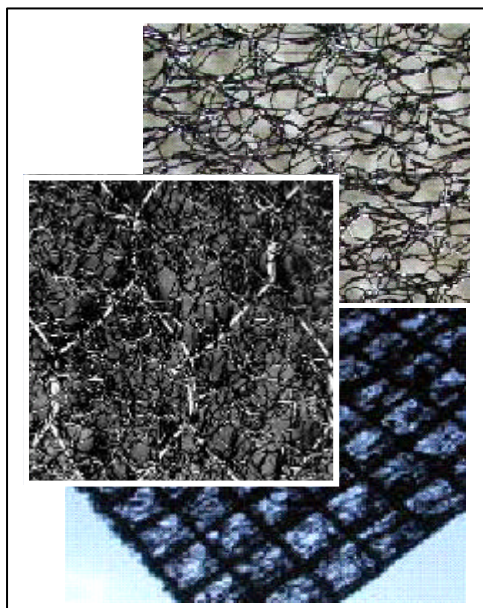


### MACMAT GEOMATS



**MacMat** geomats are three-dimensional structures with biconical shape obtained by the extrusion of polypropylene filaments. The mats are able to hold inside the soil, because they have a content void higher than 90%.

Base materials have different width (up to 20 mm circa).

Moreover it is available a range of **MacMat R** geomats, where, already during extrusion process, the geogrid is fixed, through a thermal process, to a reinforcement element, that could be metallic (DT wire mesh) or synthetic (polyester geogrids with polymeric coating).

Resistances of R Types geocompounds could vary in relation to the reinforcement up to reach 200 kN/m.

The standard height of the product is 2m, but it could be delivered also in 4m height. Black is standard colour, but geogrids have been produced also in other colours (for example brown).

Material is normally used for:

- **Hydraulic applications:**

Riverside protection of the river in the amusement park of Ecolandia (RC).

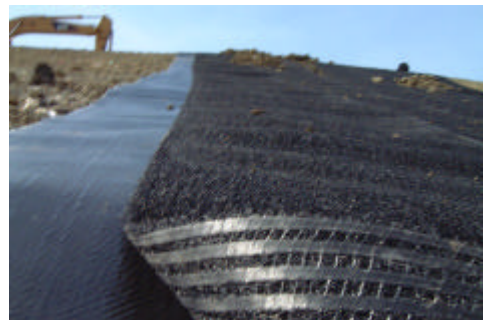
It has been used MacMat RB (geomat reinforced with 8x10 DT wire mesh)

- **Soil reinforcement on low friction surfaces:**

Soil stabilisation in the waterproof layer in the controlled dump in Castelcolonna (AN). It has been used MacMat R200 (geomat reinforced with 200 kN/m geogrid)

- **Erosion control application**

Soil stabilisation and protection of the hill dedicated to Kosciuszko (Cracov, Poland) It has been used MacMat RB (geomat reinforced with 8x10 DT wire mesh)



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