

General Overview

Soft soils or soils with low bearing capacity



Rural paved roads and access roads



Reinforcement of a road base of paved road in muddy area

The challenge

- An old paved road, crossing muddy areas, suffered from many cracks and differential settlement.
- This had led to damage to the road, puddles in lower places, and the possibility to accidents.

About GeoGlobe® Europe

Being aware of the geological, ecological, economic and human challenges of our century, GeoGlobe® Europe company designs and manufactures geosynthetic systems for soil stabilization and erosion control and puts its know-how and its experience in service of the Earth Stabilization.

Being dynamic, GeoGlobe® Europe consists of a team of specialists with a permanent and consistent participation in the world geosynthetic committees.

GeoGlobe® Europe continuously invests in research and development of technologies, the effectiveness of which has been proven throughout time.

Based on many years of experience in studying and realization of geosynthetic solutions applied in the infrastructure projects and terrain stabilization, we focus on the feasibility and durability of the solutions.

GeoGlobe® Europe takes care to offer today customized solutions harmoniously combining the technical performance at the level of civil engineering with the human pledge including the socio-economic development and the ecological engineering in respect to the environment for a more stable future.

Load support



Soft soils or soils with low bearing capacity,
Rural roads, tracks and access roads



The Solution

To reinforce the road base with a combination of geotextile, GeoGlobe® geocells and corrugated drainage pipes.

The alternative solution

To compact well, as much as possible, the local sub-base, and later to have a structure made of more layers of graded crushed stones.

The technology simple, effective and economical

Installation of a woven geotextile above the muddy terrain, corrugated drainage pipes on both sides of the road, and a layer of GeoGlobe® layer, filled with crushed stones, mixed with sand, in the cells. Above it another layer of this infill material, and asphalt layers.

The result

Fast construction of a road, with minimum interference to the daily pass of vehicles at the road.



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