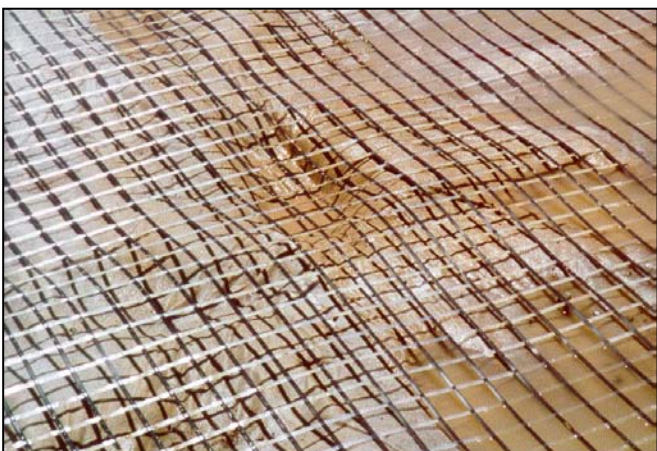




Location : Tübingen, Germany
Date : May, 2000
Product type : Enkagrid MAX 30

A large power plant is being constructed in a remote area in the southern part of Germany. The contractor had to make a haul road over soft soils for construction traffic.



After a period of intense rain fall, the water table of the foundation soil was extremely high which resulted in soil with almost no bearing capacity over a large area. At first, the contractor used a normal needle-punched nonwoven to prevent the course gravel being pushed in the soft soil. Due to the low bearing capacity it was still impossible to drive over the constructed road. Deep rutting appeared almost immediately and some of the dumping truck's axles began to touch the road.



As the project was under a tight planning schedule, the contractor called Colbond Geosynthetics for a quick solution. Colbond Geosynthetics proposed *Enkagrid MAX 30* which is a polypropylene welded geogrid with rigid junctions for a positive interlock effect. Due to these rigid junctions the geogrid creates instant sub-base stabilization and a significant increase in bearing capacity can be achieved. The *Enkagrid MAX* was installed on top of the nonwoven to create a combined effect of reinforcement and separation.

Enkagrid MAX 30 has a quality control strength of 30 kN/m in both longitudinal and transverse direction.

The technical data set forth in this photo leaflet reflect our best knowledge at the time of issue. The photo leaflet is subject to changes pursuant to new developments and findings, and a similar reservation applies to the properties of the products described. We do not undertake any liability for results by usage of these products.



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