

Customer:	Pirelli Germany GmbH
Contractor:	Josef Stix Construction
Date:	May, 2001
Product type:	Enkagrid MAX 40
Quantity:	10,000 m <sup>2</sup>



To reduce the supply lead-time and to increase the flexibility of production, the tire company Pirelli in Germany constructed a new production line. The new production location is situated next to the existing tire factory and is constructed on very soft soil. To increase the bearing capacity of the production platform for the new building, a geogrid reinforcement has been installed.



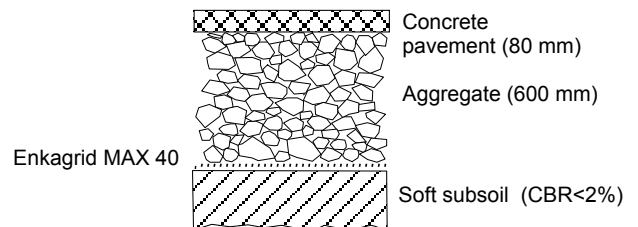
On the background of the soil investigation, the consultant GGC, based in southern Germany, proposed Enkagrid MAX 40 to be used as the reinforcement. In combination with the granular fill with a grading 0/45 Enkagrid MAX creates a positive interlock instantly increasing the bearing capacity.

Enkagrid MAX was installed directly on the soft soil. With 600 mm of compacted aggregate and a pavement on top of the foundation, the production platform now is the base for the new Pirelli tire production plant.



Enkagrid MAX is a biaxial geogrid made from polypropylene extruded bars. The laser-welding technology creates rigid junctions so that the granular fill can interlock in the grid-apertures.

Enkagrid MAX 40 has a quality control strength of 40 kN/m in both longitudinal and transverse direction.



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