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**Advantages of Secugrid® become apparent under stress!**

The results of comparative tests performed by the designing office Mohn from Husum in Schleswig-Holstein (North-Germany) show that the suggested system with geogrids Secugrid® and Combigrigrid® from Naue Fasertechnik GmbH & Co. KG in Luebbecke are in part superior in quality and performance compared to the proposed design. The experts stated that, at least, Secugrid® and Combigrigrid® are to be considered as "equivalent" to the proposed design. In short, these are the most important conclusions of a field trial that had been performed in the frame of a tender for the dyke protection Oehe-Maasholm, Germany.

In fact, the proposed tender had planned to install a "combination of geogrid and nonwoven" for the reinforcement of a road for dyke protection and a temporary construction road in Oehe-Maasholm. Naue Fasertechnik GmbH & Co. KG decided to prove the required equivalence on the required trial field.

The contractor installed two trial fields of approx. 7 m x 15 m size each. The Naue products Combigrigrid® 30/30 Q1 / 151 GRK 3 and Secugrid® 30/30 Q1 and the proposed geogrids should both be tested under the same system conditions.

To test the quality of the system, dynamic plate-bearing tests were performed approx. five days after the installation of the trial fields. On average, the Naue geogrids achieved better values. Although the test performance was affected by rainfall and slightly different soil foundation conditions, the test can be considered as true proof for the significantly performance of the products from Naue Fasertechnik. According to the manufacturer the results of the excellent system performance results from the high junction and product stiffness, combined with the high stress absorption at low elongation.

As a result, the temporary construction road and the road for dyke protection in Oehe-Maasholm were reinforced with Secugrid® and Combigrigrid® geogrids from Naue Fasertechnik.

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