

ENERJİSA BANDIRMA MACMAT R1 PROJECT BALIKESİR, MARMARA, TURKEY

Reinforcement of Marginal Soils and Waste

Problem

In order to prevent possible slope flows in the Bandırma-1 natural gas plant switchyard side slopes, a steel mesh reinforced composite is needed. This composite will act as a protective barrier, ensuring the stability of the slopes and preventing any dangerous shifts or collapses. Since the region is an industrial zone, the stakes are particularly high. An accident in this area would not only pose a significant threat to the number of employees working in the vicinity but also lead to a substantial loss of life and property. The industrial structure of the zone would exacerbate the financial impact, driving costs to very high levels. Given these critical risks, our customer has reached out to our company for assistance, inquiring if we can develop and implement a comprehensive solution to address this pressing issue, thereby ensuring the safety and security of the entire operation.

Solution

Upon the request of our customer and the thorough evaluation and decision of our company's experienced field engineers, it was ultimately decided that it would be logical and advantageous to apply a hydroseeding steel mesh reinforced composite mat. This application aims to prevent possible slope flows on the side slopes of the construction site. Not only does this solution address the technical problems effectively, but it also provides an environmentally friendly and cost-effective approach. By implementing this method, we ensure the stability and integrity of the slopes while also considering the long-term sustainability and financial feasibility of the project.

Client: ENERJİSA ENERJİ ÜRETİM AŞ

Designer / Consultant: MACCAFERRI TURKEY

Contractor: ENERJİSA ENERJİ ÜRETİM AŞ

Products used (Qty.)

- MacMat R 5000 m²

Date of construction: 04/2024 - 05/2024

[Google Maps](#)

[Google Earth](#)



Figure 1 :Hydroseeding Application



Figure 2 : Laying Down of Macmat R



Figure 3: Region Of Application

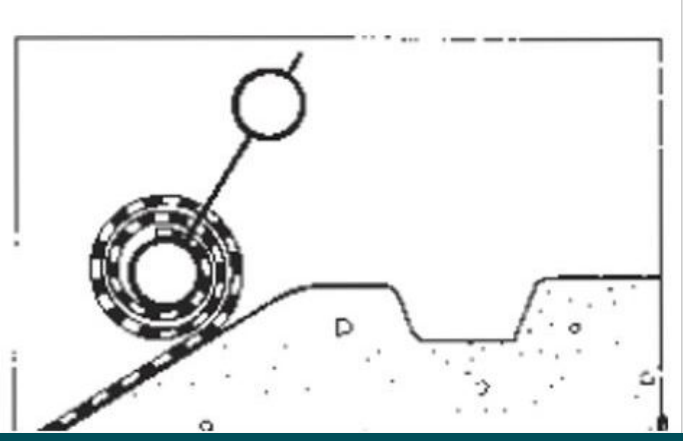


Figure 4: Seeding And Laying Down Of Macmat R